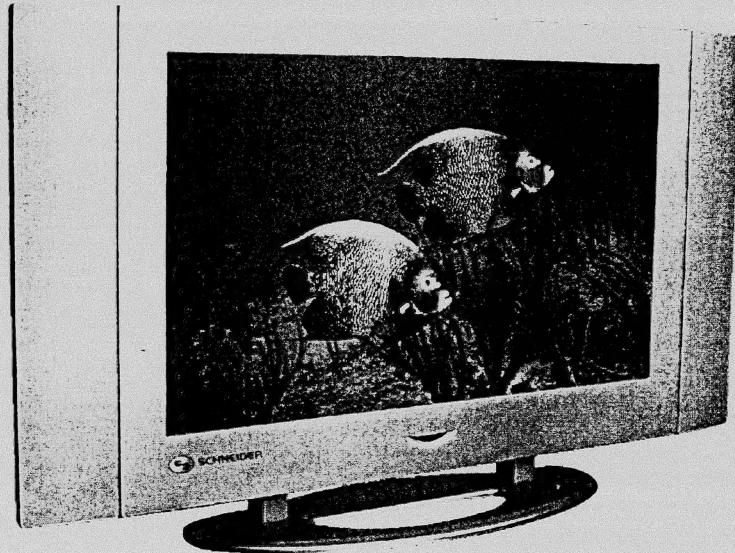


SCHNEIDER ELECTRONICS GMBH-GERMANY

Service Manual



Model No.: 23M901

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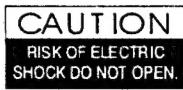
This manual is the latest at the time of printing, and does not include the modification which may be made after printing, by the constant improvement of product.

SCHNEIDER ELECTRONICS GMBH-GERMANY

1. CAUTION

CAUTION:

Use of controls, adjustments or procedures other than those specified herein may result in hazardous radiation exposure.



CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, with an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to the person.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

SCHNEIDER ELECTRONICS GMBH-GERMANY

IMPORTANT SAFETY INSTRUCTIONS

CAUTION:

Read all of these instructions. Save these instructions for later use. Follow all Warnings and Instructions marked on the audio equipment.

1. Read Instructions-All the safety and operating instructions should be read before the product is operated.
2. Retain Instructions- The safety and operating instructions should be retained for future reference.
3. Heed Warnings- All warnings on the product and in the operating instructions should be adhered to.
4. Follow Instructions- All operating and use instructions should be followed.

FOR YOUR PERSONAL SAFETY

1. When the power cord or plug is damaged or frayed, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
2. Do not overload wall outlets and extension cords as this can result in fire or electric shock.
3. Do not allow anything to rest on or roll over the power cord, and do not place the TV where power cord is subject to traffic or abuse. This may result in a shock or fire hazard.
4. Do not attempt to service this television set yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
5. Never push objects of any kind into this television set through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the television set.
6. If the television set has been dropped or the cabinet has been damaged, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
7. If liquid has been spilled into the television set, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
8. Do not subject your television set to impact of any kind. Be particularly careful not to damage the picture tube surface.
9. Unplug this television set from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 10.1. Do not place this television set on an unstable cart, stand, or table. The television set may fall, causing serious injury to a child or an adult, and serious damage to the appliance. Use only with a cart or stand recommended by the manufacturer, or sold with the television set. Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.
- 10.2. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



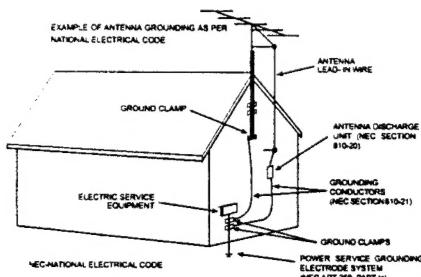
PROTECTION AND LOCATION OF YOUR SET

11. • Do not use this television set near water ... for example, near a bathtub, washbowls, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.
- Never expose the set to rain or water. If the set has been exposed to rain or water, unplug the set from the wall outlet and refer servicing to qualified service personnel.
12. Choose a place where light (artificial or sunlight) does not shine directly on the screen.
13. Avoid dusty places, since piling up of dust inside TV chassis may cause failure of the set when high humidity persists.
14. The set has slots, or openings in the cabinet for ventilation purposes, to provide reliable operation of the receiver, to protect it from overheating. These openings must not be blocked or covered.
 - Never cover the slots or openings with cloth or other material.
 - Never block the bottom ventilation slots of the set by placing it on a bed, sofa, rug, etc.
 - Never place the set near or over a radiator or heat register.
 - Never place the set in a "built-in" enclosure, unless proper ventilation is provided.

PROTECTION AND LOCATION OF YOUR SET

- 15.1. If an outside antenna is connected to the television set, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electrical Code, NFPA No. 70-1975, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrode, and requirements for the grounding electrode.

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE INSTRUCTIONS



- 15.2. Note to CATV system installer : (Only for the television set with CATV reception)

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

16. An outside antenna system should not be located in the vicinity of overhead power lines or other electric lights or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
17. For added protection for this television set during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage due to lightning and power-line surges.

OPERATION OF YOUR SET

18. This television set should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply at your home, consult your television dealer or local power company. For television sets designed to operate from battery power, refer to the operating instructions.
19. If the television set does not operate normally by following the operating instructions, unplug this television set from the wall outlet and refer servicing to qualified service personnel. Adjust only those controls that are covered in the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the television set to normal operation.
20. When going on a holiday : If your television set is to remain unused for a period of time, for instance, when you go on a holiday, turn the television set "off" and unplug the television set from the wall outlet.

IF THE SET DOES NOT OPERATE PROPERLY

21. If you are unable to restore normal operation by following the detailed procedure in your operating instructions, do not attempt any further adjustment. Unplug the set and call your dealer or service technician.
22. Whenever the television set is damaged or fails, or a distinct change in performance indicates a need for service, unplug the set and have it checked by a professional service technician.
23. It is normal for some TV sets to make occasional snapping or popping sounds, particularly when being turned on or off. If the snapping or popping is continuous or frequent, unplug the set and consult your dealer or service technician.
24. Do not use attachments not recommended by the television set manufacturer as they may cause hazards.
25. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
26. Upon completion of any service or repairs to the television set, ask the service technician to perform routine safety checks to determine that the television is in safe operating condition.

FOR SERVICE AND MODIFICATION

2. Product Specification

Model No.: 30M901

Environment

Environment Temperature: • • 5~85

Store Temperature: • • • -15~60

Humidity Operation Humidity: % • 10~80 •

Store Humidity: % • 10~90 •

Air Pressure: kps) 86~106

Screen Parameter

Screen Size 30" Angle of View (H/V) 170°/170°

Max. Resolution 1280 x 768 Responsive Time 25ms

Ratio • 16:9 • 4:3 Image Size(mm x mm) 0.5025 x 0.1675

Contrast (Darkness, Nakedness) 350:1 Color Temperature(°K) Warm: 9300

Brightness(cd/m²) 450 Cool: 11000

Display Color Supporting 16.7 M Max. V. Frequency(Hz) TV: 60Hz / PC: 85Hz

• 1920x1080i • 1920x1152i Max. H. Frequency(Hz) TV: 15.7kHz / PC: 69kHz

Supporting Pic. Format • 4440x1080i • 4280x720p

• 1280x720i • 720x480p

Color system(AV)

• PAL • PAL - M • NTSC 3,58 • SECAM

• PAL - N • NTSC 4,43 • Comb-Filter: • NTSC • PAL

PC Signal

• VGA • SVGA • KGA • WXGA

• SXGA • True XGA

Antenna Receiving

• PAL - D/K • PAL - I • NTSC-M

- PAL - BG
- PAL - N
- NTSC4.43
- PAL - M
- SECAM -D/K I BG
- SECAM-L

Special Features

- 100 Hz Progressive Scan
- Black and White Mode
- Smart Picture
- 50/60 Hz Progressive Scan
- Child Lock
- MADA
- Black Stretch
- PIP (PC • DVI Mode)
- Picture Dynamic Reduce Noise
- Color Temperature Adjustment

Stereo

- Nicam
- MTS
- FM-FM
- BTSC
- German Stereo

Program

- Program Auto Mark
- Program Compositor
- Channels: 99
- Auto Searching
- Manual Searching
- Tuning

Teletext

- Type: TOP FLOP TELETEXT
- Pages: 500

Audio

- Insert SPK.
- Insert Amplifier
- Sound Effect
- AVC
- Output Power(W) • 2x6W
- BVSS
- Balance (Steps: • 5)
- Sound Effect Adjustment
- Bass Treble
- Balance
- Others
- Five Bands Equalizer

Display

- OSD(14 languages) English, French, German, Italian, Russian, Danish, Finnish, Czech, Greece, Portuguese, Spanish, Turkish, Croatia, Dutch

Adjustment via OSD

- Contrast
- Chroma
- H/V - size
- PC
- Picture Rotation
- Brightness
- Tint
- H/V - place
- PC

Power Supply

- Max. Power Consumption(W) • 180W
- Voltage: V/Hz • • • 180-240V 50/60 Hz
- Standby Power Consumption 2.6W
- Switch on/off
- Auto stand-by Timer Min: •

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Accessories

- Remote Controller
 - Stand
 - RF coaxial Cable
 - Scart Line (m)
- Set Top Box
 - Mounting Bracket optional
 - Power Supply Line 2.2 m)
 - Antenna (1.8 m)
- Speakers box
 - VGA line (Type DB15)
 - speakers box wire
 - RF coaxial Cable

Connector

	<ul style="list-style-type: none"> • Antenna Input • BNC • IEC • Others
Video Terminal	
	<ul style="list-style-type: none"> • VGA Input Type D-15 Pins Quantity 1 • VGA Output Type Quantity
	<ul style="list-style-type: none"> • DVI Input Type DVI-I 29Pins Quantity 1 • YUV Input With Audio 3 RCA BNC Quantity 1 • Y, Cr, Cb Input (RCA BNC Quantity 1, Remarks Input via Y in YUV)
Screen	<ul style="list-style-type: none"> • S-Video Input Quantity (5-Video Output Quantity) • SCART Full SCART Video Input YUV Input S-Video RGB Video Output • Others Video or AV Output or Input
Audio Connector	
	<ul style="list-style-type: none"> • Audio Input 3.5 Others 3.5 • Audio Output 5.1
	<ul style="list-style-type: none"> • Audio Output L/R 3.5 Others Bass Output Audio Jack
	<ul style="list-style-type: none"> • Audio RCA • Audio digital optical • Speaker Output

Packing

Unit Size(w×h×d, mm)	950X569X218mm	Net Weight(kg)	15.5KG
Packing Size(w×h×d, mm)	837X650X292mm	Gross Weight(kg)	18KG

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3. BOM LIST

Item No.	Description	Quantity	Designator	Remarks
08-L30265-AMY		1		
09-FM5817-STX	SMD DIODE FM5817	1	0B004	
09-FM5817-STX	SMD DIODE FM5817	1	0B005	
09-FM5817-STX	SMD DIODE FM5817	1	0B006	
09-FM5817-STX	SMD DIODE FM5817	1	0B007	
09-LL4148-ATX	SMD SWITCHING DIODE LL4148	1	0B001	
09-LL4148-ATX	SMD SWITCHING DIODE LL4148	1	0B002	
09-LL4148-ATX	SMD SWITCHING DIODE LL4148	1	0B003	
09-LL4148-ATX	SMD SWITCHING DIODE LL4148	1	0B008	
09-RLZ5B1-DTX	SMD ZENER DIODE RLZ5.18	1	0B009	
11-A124ES-OBX	TRANSISTOR PDTA124ES (PNP)	1	0B002	
12-BC857A-OBX	SMD TRANSISTOR BCB57A (PNP)	1	0B001	
13-TA2024-OB8	IC TA2024	1	0C001	
18-EG0478-JTX	RES. FUS 0.47 OHM 2W +/-5%	1	0B014	
19-BB0000-JTX	SMD RES 0 OHM 1/10W +/-5%	1	0B015	
19-BB0102-JTX	SMD RES 1K OHM 1/10W +/-5%	1	0B001	
19-BB0102-JTX	SMD RES 1K OHM 1/10W +/-5%	1	0B003	
19-BB0103-JTX	SMD RES 10K OHM 1/10W +/-5%	1	0B002	
19-BB0103-JTX	SMD RES 10K OHM 1/10W +/-5%	1	0B004	
19-BB0103-JTX	SMD RES 10K OHM 1/10W +/-5%	1	0B005	
19-BB0103-JTX	SMD RES 10K OHM 1/10W +/-5%	1	0B006	
19-BB0103-JTX	SMD RES 10K OHM 1/10W +/-5%	1	0B017	
19-BB0203-JTX	SMD RES 20K OHM 1/10W +/-5%	1	0B010	
19-BB0203-JTX	SMD RES 20K OHM 1/10W +/-5%	1	0B011	
19-BB0474-JTX	SMD RES 470K OHM 1/10W +/-5% 0B005	1	0B007	
19-BB0822-JTX	SMD RES 8.2K OHM 1/10W +/-5%	1	0B009	
19-C00100-JTX	RES. MELF 10 OHM 1/4W +/-5%	1	0B012	
19-C00100-JTX	RES. MELF 10 OHM 1/4W +/-5%	1	0B013	
25-BCB221-M1X	CAP. ELEC 220 UF 16V +/-20%	1	0C007	
25-BCB221-M1X	CAP. ELEC 220 UF 16V +/-20%	1	0C008	
25-BB0221-M1X	CAP. ELEC 220 UF 25V +/-20%	1	0C006	
25-BFB109-M1X	CAP. ELEC 1 UF 50V +/-20%	1	0C009	
25-HCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	1	0C005	
25-HCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	1	0C023A	
25-HCB471-M1X	CAP. ELEC 470 UF 16V +/-20%	1	0C025	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +/-20% 0B005	1	0C010	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +/-20% 0B005	1	0C011	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +/-20% 0B005	1	0C012	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +/-20% 0B005	1	0C013	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +/-20% 0B005	1	0C014	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +/-20% 0B005	1	0C015	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +/-20% 0B005	1	0C022	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +/-20% 0B005	1	0C023	
28-BB0224-ZFX	SMD CAP. 0.22UF 50V +/-20% 0B005	1	0C016	

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Item No.	Description	Quantity	Designator	Remarks
28-BB0224-ZFX	SMD. CAP 0.22UF 50V +80%/-20% 0805	1	C8017	
28-BB0224-ZFX	SMD. CAP 0.22UF 50V +80%/-20% 0805	1	C8018	
28-BB0224-ZFX	SMD. CAP 0.22UF 50V +80%/-20% 0805	1	C8019	
28-BB0472-KBX	SMD. CAP 4700PF 50V +/-10%	1	C8001	
28-BB0472-KBX	SMD. CAP 4700PF 50V +/-10%	1	C8002	
28-BB0474-ZFX	SMD. CAP 0.47UF 50V +80% -20%	1	C8020	
28-BB0474-ZFX	SMD. CAP 0.47UF 50V +80% -20%	1	C8021	
33-BLN102-NTX	SMD. COLL. FBW4525HM102NT	1	L8003	
33-BLN102-NTX	SMD. COLL. FBW4525HM102NT	1	L8008	
33-BLN102-NTX	SMD. COLL. FBW4525HM102NT	1	L8009	
33-BLN102-NTX	SMD. COLL. FBW4525HM102NT	1	L8010	
33-BLN102-NTX	SMD. COLL. FBW4525HM102NT	1	L8011	
33-ELN102-NTX	SMD. COLL. CBG201209U 102B	1	L8001	
33-ELN102-NTX	SMD. COLL. CBG201209U 102B	1	L8002	
34-R100K2-10X	COIL CHOKE SG9006 10uH +/-20%	1	L8004	
34-R100K2-10X	COIL CHOKE SG9006 10uH +/-20%	1	L8005	
34-R100K2-10X	COIL CHOKE SG9006 10uH +/-20%	1	L8006	
34-R100K2-10X	COIL CHOKE SG9006 10uH +/-20%	1	L8007	
46-33079W-02X	PIN BASE *2 TJC3-2A	1	S8001	
46-35199W-07X	CONN. PH-7A PITCH=2.0MM 7PIN	1	S802	
46-35200W-02X	CONN. VH-2A 2PIN PITCH=3.96MM	1	S1005	
46-39388H-02X	HS 2P 2468422 600M TJC3-2Y*2	1		FROM AMY S8001 TO SPY J2
46-39388H-02X0A	HS 2P 2468422 600M TJC3-2Y*2	1		FROM AMY S8002 TO SPY BD J3
19-BB0103-JTX	SMD. RES 10K OHM 1/10W +/-5%	1	R8015	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R8008	
09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	1	R8011	
46-35199W-02X	CONN. PH-2A 2PIN PITCH=2.0MM	1	S8005	
09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	1	R8010	
46-33079W-02X	PIN BASE *2 TJC3-2A	1	S8002	
46-39469H-02X01	HS 2P 2468426 650M PH-2Y/PH-2Y	1		FOR S8005
40-3026WS-AMC	P.C.B. AM. BD 200X155/6MM FR-4 94V0	1		
25-BFB108-M1X	CAP. ELEC 0.1 UF 50V +/-20%	1	C8003	
25-BFB108-M1X	CAP. ELEC 0.1 UF 50V +/-20%	1	C8004	
08-L3026S-DIY		1		
09-OBAV99-ATX	HIGH SPEED DOUBLE DIODE BAV99	1	D1	
09-OBAV99-ATX	HIGH SPEED DOUBLE DIODE BAV99	1	D10	
09-OBAV99-ATX	HIGH SPEED DOUBLE DIODE BAV99	1	D11	
09-OBAV99-ATX	HIGH SPEED DOUBLE DIODE BAV99	1	D12	
09-OBAV99-ATX	HIGH SPEED DOUBLE DIODE BAV99	1	D2	
09-OBAV99-ATX	HIGH SPEED DOUBLE DIODE BAV99	1	D3	
09-OBAV99-ATX	HIGH SPEED DOUBLE DIODE BAV99	1	D4	
10-1N5820-FOX	D100E 1N5820	1	D5	
12-C144ET-OBX	SMD. TRANSISTOR PTC144ET	1	OB6	
12-BC847A-OBX	SMD. TRANSISTOR BC847A (NPN)	1	OB8	
12-C144ET-OBX	SMD. TRANSISTOR PTC144ET	1	OB4	
13-00M24C-04P	IC 4K EEPROM M24C04-BN6	1	U29	

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Item No.	Description	Quantity	Designator	Remarks
13-024LC1-6BB	IC 24LC16B	1	U22	
13-024LC2-1AP	IC 24LC21A	1	U8	
13-AD988-3AB	IC AD988	1	U3	
13-0DS181-9CB	IC DS1819CR5	1	U27	
13-OLM259-6SB	IC LM2596(TO-263)	1	U25	
13-74LV37-3AB	IC LV373A	1	U21	
13-A1C111-7MB	IC A1C111MPX-2.5	1	U9	
13-BGA388-00B	IC BGA388	1	U11	
13-FL1220-00B	IC FL1220	1	U6	
13-IC1084-CMB	IC A1C1084-33CH 3.3V (TO-263)	1	U5	
13-K45643-23B	IC K45643232C-TC60	1	U12	
13-K45643-23B	IC K45643232C-TC60	1	U13	
13-K45843-23B	IC K45843232C-TC60	1	U7	
13-LD1117-33B	IC LD1117 3.3V	1	U1	
13-LD1117-33B	IC LD1117 3.3V	1	U15_1	
13-P87C52-X2B	IC P87C52X2B	1	U19	
13-RT9172-N25	IC RT9172N-25CM5	1	U26	
13-S19953-DVB	IC S19953DY(B-PIN)	1	U14	
13-SM74AH-C1B	IC SM74AHC139	1	U20	
13-63LVDM-83B	IC TMC63LVDMBR	1	U13-1	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R1013	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R108	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R12-3	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R167	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R181	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R201	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R209	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R210	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R211	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R215	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R219	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R30	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R34	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R38	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R5	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R58	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R59	
19-BB0100-JTX	RES. SMD 10 OHM 1/10W +/-5%	1	R54	
19-BB0100-JTX	RES. SMD 10 OHM 1/10W +/-5%	1	R55	
19-BB0100-JTX	RES. SMD 10 OHM 1/10W +/-5%	1	R57	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R62	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R63	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R64	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R102	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R208	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R23	

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Item No.	Description	Quantity	Designator	Remarks
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R44	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R45	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R46	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R47	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R12	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R13	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R195	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R196	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R206	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R48	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R49	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R11	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R10	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R107	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R108	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R18	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R19	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R20	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R21	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R22	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R3	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R50	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R51	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R52	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R6	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R61	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R62	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R63	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R9	
19-BB0330-JTX	SMD. RES 33 OHM 1/10W +/-5% 0805	1	R7	
19-BB0330-JTX	SMD. RES 33 OHM 1/10W +/-5% 0805	1	R8	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R15	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R165	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R13-5	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R13-6	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R13-7	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R13-8	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R53	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R60	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R87	
19-BB0221-JTX	SMD. RES 220 OHM 1/10W +/-5% 0805	1	R11-1	
19-BB0221-JTX	SMD. RES 220 OHM 1/10W +/-5% 0805	1	R191	
19-BB0221-JTX	SMD. RES 220 OHM 1/10W +/-5% 0805	1	R192	
19-BB0221-JTX	SMD. RES 220 OHM 1/10W +/-5% 0805	1	R193	
19-BB0221-JTX	SMD. RES 220 OHM 1/10W +/-5% 0805	1	R194	
19-BB0223-JTX	SMD. RES 22k OHM 1/10W +/-5%	1	R25	

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Item No.	Description	Quantity	Designator	Remarks
19-BB0223-JTX	SMD. RES 22k OHM 1/10W +/-5%	1	R26	
19-BB0332-JTX	SMD. RES 3.3k OHM 1/10W +/-5%	1	R2	
19-BB0391-JTX	RES. SMD. RES 390 OHM 1/10W +/-5%	1	R174	
19-BB0470-JTX	SMD. RES 47 OHM 1/10W +/-5%	1	R187	
19-BB0470-JTX	SMD. RES 47 OHM 1/10W +/-5%	1	R212	
19-BB0470-JTX	SMD. RES 47 OHM 1/10W +/-5%	1	R56	
19-BB0470-JTX	SMD. RES 47 OHM 1/10W +/-5%	1	R182	
19-BB0470-JTX	SMD. RES 47 OHM 1/10W +/-5%	1	R183	
19-BB0471-JTX	SMD. RES 470 OHM 1/10W +/-5%	1	R199	
19-BB0471-JTX	SMD. RES 470 OHM 1/10W +/-5%	1	R200	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R14	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R169	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R171	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R172	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R173	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R177	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R179	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R190	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R198	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R218	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R24	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R4	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R72	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R73	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R75	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R79	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R83	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R84	
19-BB0473-JTX	SMD. RES 47k OHM 1/10W +/-5% 0805	1	R103	
19-BB0473-JTX	SMD. RES 47k OHM 1/10W +/-5% 0805	1	R80	
19-BB0682-JTX	SMD. RES 6.8k OHM 1/10W +/-5%	1	R78	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R100	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R225	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R28	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R29	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R32	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R33	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R36	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R37	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R38	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R39	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP17	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP19	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP21	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP23	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP25	

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Item No.	Description	Quantity	Designator	Remarks
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP27	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP28	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP1	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP10	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP11	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP12	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP13	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP14	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP15	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP2	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP29	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP3	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP30	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP31	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP32	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP33	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP34	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP35	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP36	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP37	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP38	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP4	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP5	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP6	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP7	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP8	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP9	
25-BDA471-M1X	CAP. ELEC 470 UF 25V +/-20%	1	C200	
25-BDB221-M1X	CAP. ELEC 220 UF 25V +/-20%	1	C201	
28-BB0100-JCX	SMD CAP. 10 PF 50V +/-5%	1	C223	
28-BB0100-JCX	SMD CAP. 10 PF 50V +/-5%	1	C454	
28-BB0100-JCX	SMD CAP. 10 PF 50V +/-5%	1	C94	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C425	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C426	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C427	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C428	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C430	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C85	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C86	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C10	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C102	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C103	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C105	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C117	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C12	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C14	

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Item No.	Description	Quantity	Designator	Remarks
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C16	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C18	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C89	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C96	
28-BB0103-KBX	SMD. CAP. 10nF 50V +/-10% 0805	1	C436	
28-BB0103-KBX	SMD. CAP. 10nF 50V +/-10% 0805	1	C437	
28-BB0103-KBX	SMD. CAP. 10nF 50V +/-10% 0805	1	C438	
28-BB0103-KBX	SMD. CAP. 10nF 50V +/-10% 0805	1	C439	
28-BB0103-KBX	SMD. CAP. 10nF 50V +/-10% 0805	1	C440	
28-BB0103-ZFX	SMD. CAP 10nF 50V +80/-20%	1	C13-7	
28-BB0103-ZFX	SMD. CAP 10nF 50V +80/-20%	1	C13-8	
28-BB0103-ZFX	SMD. CAP 10nF 50V +80/-20%	1	C462	
28-BB0103-ZFX	SMD. CAP 10nF 50V +80/-20%	1	C237	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C100	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C101	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C107	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C108	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C11	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C111	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C113	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C115	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C118	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C119	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C120	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C123	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C124	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C125	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C126	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C127	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C128	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C129	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C13	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C130	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C131	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C148	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C149	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C15	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C152	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C158	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C159	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C160	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C161	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C162	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C163	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C164	
28-BB0104-ZFX	SMD. CAP. 0.1 UF 50V +80/-20% 0805	1	C165	

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Item No.	Description	Quantity	Designator	Remarks
28-BB0473-KBX	CAP SMD	1	C24	
28-BB0479-JCX	SMD CAP 4.7PF 50V +/-5%	1	C21	
28-BB0479-JCX	SMD CAP 4.7PF 50V +/-5%	1	C23	
28-BB0479-JCX	SMD CAP 4.7PF 50V +/-5%	1	C25	
28-BB0331-JCX	SMD CAP 330PF 50V +/-5%	1	C175	
28-BB0331-JCX	SMD CAP 330PF 50V +/-5%	1	C92	
28-CC0106-MTX	TANTALUM CAP 10 UF 16V +/-20% 6032	1	C448	
28-CC0226-MTX	TANTALUM CAP 22 UF 16VDC +/-20% 6032	1	C1	
28-CC0226-MTX	TANTALUM CAP 22 UF 16VDC +/-20% 6032	1	C144	
28-CC0226-MTX	TANTALUM CAP 22 UF 16VDC +/-20% 6032	1	C145	
28-CC0226-MTX	TANTALUM CAP 22 UF 16VDC +/-20% 6032	1	C13-5	
28-CC0226-MTX	TANTALUM CAP 22 UF 16VDC +/-20% 6032	1	C465	
28-CC0226-MTX	TANTALUM CAP 22 UF 16VDC +/-20% 6032	1	C463	
28-CC0226-MTX	TANTALUM CAP 22 UF 16VDC +/-20% 6032	1	C206	
28-CC0226-MTX	TANTALUM CAP 22 UF 16VDC +/-20% 6032	1	C207	
28-CC0226-MTX	TANTALUM CAP 22 UF 16VDC +/-20% 6032	1	C208	
28-CC0476-MTX	TANTALUM CAP 47 UF 16V +/-20% 6032	1	C205	
28-CC0476-MTX	TANTALUM CAP 47 UF 16V +/-20% 6032	1	C41	
28-CC0476-MTX	TANTALUM CAP 47 UF 16V +/-20% 6032	1	C43	
28-CC0476-MTX	TANTALUM CAP 47 UF 16V +/-20% 6032	1	C44	
28-CC0476-MTX	TANTALUM CAP 47 UF 16V +/-20% 6032	1	C58	
28-DC0107-MTX	TANTALUM CAP 100 UF 16VDC +/-20%	1	C203	
28-DC0107-MTX	TANTALUM CAP 100 UF 16VDC +/-20%	1	C467	
28-DE0106-MTX	SMD CAP 35V 10UF +/-20%	1	C170	
28-DE0106-MTX	SMD CAP 35V 10UF +/-20%	1	C226	
28-DE0106-MTX	SMD CAP 35V 10UF +/-20%	1	C227	
28-DE0106-MTX	SMD CAP 35V 10UF +/-20%	1	C447	
28-DE0106-MTX	SMD CAP 35V 10UF +/-20%	1	C473	
19-CD0000-JTX	RES SMD 0 OHM 1206	1	CX1	
19-CD0000-JTX	RES SMD 0 OHM 1206	1	CX3	
19-CD0000-JTX	RES SMD 0 OHM 1206	1	CX5	
33-ELL339-KTX	SMD COIL 3.3 uH +/-10% 0805	1	L2	
33-ELL339-KTX	SMD COIL 3.3 uH +/-10% 0805	1	L3	
33-ELL339-KTX	SMD COIL 3.3 uH +/-10% 0805	1	L4	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB11	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB12	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB13	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB14	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB15	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB16	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB17	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB18	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB19	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB2	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB20	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB21	

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Item No.	Description	Quantity	Designator	Remarks
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB22	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB23	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB25	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB26	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB3	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB50	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB51	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB52	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB54	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB55	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB56	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB57	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB7	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB75	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB76	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB77	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB78	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB79	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	R1	
36-LIF020-XX0	LINE FILTER LC-33-TCL	1	L1	
45-OSC14M-3N0	CRYSTAL 14.318MHz	1	U10	
46-35199W-04X	CONN.PH-4A 4PIN PITCH=2.0MM	1	P25	
46-35199W-05X	CONN.PH-5A 5PIN PITCH=2.0MM	1	P8	
46-35199W-10X	CONN.PH-10PIN PITCH=2.0MM	1	P14	
46-3900W-20X	PIN BASE DF14-20P(1.25)PITCH	1	DN14	
47-DV1001-KX0	DVI SOCKET KL-DV1024-04A	1	P10	
47-IC5007-XX0	IC SOCKET PLCC-SMT-4P	1	FOR U19	
47-IC5009-XX0	IC SOCKET 8P	1	FOR U29	
47-IC5009-XX0	IC SOCKET 8P	1	FOR UB	
47-SCA001-XX0	SCART SOCKET 21 PINS SS101-P	1	P17	
47-340971-50X	VGA SOCKET	1	P11	
40-3026W-S-D1B	P.C.B. DIGITAL BD	1		
19-BB0000-JTX	SMD RES 0 OHM 1/10W +/-5%	1	R77	
28-DE0106-MTX	SMD CAP 35V 10UF +/-20%	1	C470	
28-DE0106-MTX	SMD CAP 35V 10UF +/-20%	1	C468	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB60	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB61	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB32	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB35	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB40	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB41	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB53	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB58	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB59	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB62	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB63	

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Item No.	Description	Quantity	Designator	Remarks
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB64	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB65	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB66	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB67	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB68	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB69	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB70	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB71	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB72	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB73	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB74	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB88	
09-BAV70L-ATX	SMD DIODE BAV70LT1(SOT-23)	1	I06	
09-BAV70L-ATX	SMD DIODE BAV70LT1(SOT-23)	1	I07	
09-BAV70L-ATX	SMD DIODE BAV70LT1(SOT-23)	1	I08	
46-35200W-02X	CONN. VH-2A 2PIN PITCH:3.96MM	1	IP24	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R228	
46-39365H-04X	HS 4P 1185x26 250MH PH-4Y*2	1		FROM DIGITAL BD P25 TO RECEIVE BD J2
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C106	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C109	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C110	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C112	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C121	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C15-2	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C225	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C42	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C474	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C75	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C77	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C79	
13-S11161-00B	IC S11161BCT100	1	U28	
50-03000B-NUU	FUSE R251003-3A	1	F2	
67-387190-0AO	HEAT SINK	1		FOR U11
67-387190-0AO	HEAT SINK	1		FOR U6
67-387190-1AO	HEAT SINK	1		FOR U7
67-387190-1AO	HEAT SINK	1		FOR U12
67-387190-1AO	HEAT SINK	1		FOR U13
47-1CS003-XX0	IC JACK	1		FOR U23
67-387200-1AO	HEAT SINK	1		FOR U3
46-35199W-03X	PIN BASE *3 PITCH:2.0MM	1		P7(PIN 3 TO 5)
46-39382H-08X	HS BP 1185x26/2458x26 60MM	1	P1	
46-39386H-20X	HS	1		FROM DIY BD CH14 TO PANEL CH1
28-XC0106-MTX	TANTALUM CAP 10 UF 16V +/-20%	1	C104	
28-XC0106-MTX	TANTALUM CAP 10 UF 16V +/-20%	1	C114	
28-XC0106-MTX	TANTALUM CAP 10 UF 16V +/-20%	1	C116	
28-XC0106-MTX	TANTALUM CAP 10 UF 16V +/-20%	1	C2	

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Item No.	Description	Quantity	Designator	Remarks
28-XC0106-MTX	TANTALUM CAP 10 UF 16V +/-20%	1	C38	
28-XC0106-MTX	TANTALUM CAP 10 UF 16V +/-20%	1	C4	
28-XC0106-MTX	TANTALUM CAP 10 UF 16V +/-20%	1	C424	
28-XC0106-MTX	TANTALUM CAP 10 UF 16V +/-20%	1	C429	
28-XC0106-MTX	TANTALUM CAP 10 UF 16V +/-20%	1	C434	
28-XC0106-MTX	TANTALUM CAP 10 UF 16V +/-20%	1	C90	
28-XC0106-MTX	TANTALUM CAP 10 UF 16V +/-20%	1	C91	
28-BB0120-JCX	SMD. CAP 12 pF 50VDC +/-5%	1	C198	
28-BB0120-JCX	SMD. CAP 12 pF 50VDC +/-5%	1	C199	
19-BB0221-JTX	SMD. RES 220 OHM 1/10W +/-5% 0805	1		R14-1
45-OSC14M-3Y2	CRYSTAL 14.31818MHZ	1	Y2	
18-FF0331-JGX	RES. W.D. 330 OHM 1W +/-5%	1		P15(PIN1 TO PIN4)
46-35199W-04X	CONN. PH-4A 4PIN PITCH:2.0MM	1	J4	
46-39364H-04X	HS 4P 1185x26 200MH PH-4Y*2	1		FOR J4
46-33333W-02X	CONN. VH-2A 90 ANGLE PITCH:3.96	1	P18	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C139	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C140	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C141	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C142	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C143	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C146	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C476	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C477	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C483	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C488	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C493	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C498	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C498	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C499	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C504	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C505	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C478	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C484	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C487	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C494	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C495	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C497	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C500	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C503	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C508	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C122	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C132	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C133	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C134	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C135	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C136	

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Item No.	Description	Quantity	Designator	Remarks
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C137	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C138	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C147	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C150	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C151	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C153	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C154	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C155	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C156	
28-BB0103-KBX	SMD. CAP 10nF 50V +/-10% 0805	1	C157	
33-GLN190-NTX	CHIP BEAD 19 OHM +/-25% (3216)	1	F882	
33-GLN190-NTX	CHIP BEAD 19 OHM +/-25% (3216)	1	F883	
46-35199W-02X	CONN PH-2A 2PIN PITCH=2.0MM	1	J2	
12-BC847A-OBX	SMD. TRANSISTOR BC847A (NPN)	1	I011	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R230	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R237	
18-CE0820-JNX	RES. C.F. B2 OHM 1/2W +/-5%	1	R241	
19-BB0330-JTX	SMD. RES 33 OHM 1/10W +/-5% 0805	1	R11	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R197	
46-35199W-05X	CONN PH-5A 5PIN PITCH=2.0MM	1	P2	
46-39467H-05X	HS 5P 1185P26/246B#26 80MM PH-SY/PH-SY	1		FOR P2 TO - - - P1062
46-39468H-03X	HS 3P 2468#26 60MM PH-3Y/PH-SY	1		FROM P8 TO - - - P1063
13-SST39V-7CB	FLASH SST39VF020-70-4C-WH(32-PIN TSOP)	1	U31	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R207	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R205	
46-39469H-02X	HS 2P 2468#26 350MM PH-2Y/PH-2Y	1		FROM J2 TO ZJY BD P604
41-WJ0100-BO0	WIRE BARE JUMPER 10MM	1		RELAI PIN(3) TO PIN(4) - - -
43-GJSH10-5LM	RELAY GJ-SH-105LM	1	RELA2	
09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	1	D15	
09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	1	D16	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R240	
09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	1	D14	
08-L3026S-ANY		1		
09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	1	D5501	
09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	1	D6	
09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	1	D7	
09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	1	D727	
09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	1	D128	
09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	1	D729	
09-RLZ5B1-DTX	SMD. ZENER DIODE RLZ5 1B	1	D1	
09-RLZ5B1-DTX	SMD. ZENER DIODE RLZ5 1B	1	D11	
10-1N4002-EBX	DIODE 1N4002 (RECTIFIER)	1	0801	
10-1N4002-EBX	DIODE 1N4002 (RECTIFIER)	1	0802	
10-1N4002-EBX	DIODE 1N4002 (RECTIFIER)	1	0803	
10-1N4002-EBX	DIODE 1N4002 (RECTIFIER)	1	0804	
12-BC847A-OBX	SMD. TRANSISTOR BC847A (NPN)	1	0801	

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Item No.	Description	Quantity	Designator	Remarks
12-BC847B-OBX	NPN SMD. TRANSISTOR BC847B (SOT-23)	1	I010	
12-BC847B-OBX	NPN SMD. TRANSISTOR BC847B (SOT-23)	1	I011	
12-BC847B-OBX	NPN SMD. TRANSISTOR BC847B (SOT-23)	1	I012	
12-BC847B-OBX	NPN SMD. TRANSISTOR BC847B (SOT-23)	1	I02	
12-BC847B-OBX	NPN SMD. TRANSISTOR BC847B (SOT-23)	1	I03	
12-BC847B-OBX	NPN SMD. TRANSISTOR BC847B (SOT-23)	1	I04	
12-BC847B-OBX	NPN SMD. TRANSISTOR BC847B (SOT-23)	1	I06	
12-BC847B-OBX	NPN SMD. TRANSISTOR BC847B (SOT-23)	1	I06	
12-BC847C-OBX	SMD. TRANSISTOR BC847C	1	I05511	
12-BC847C-OBX	SMD. TRANSISTOR BC847C	1	I05512	
12-BC847C-OBX	SMD. TRANSISTOR BC847C	1	I05513	
12-BC847C-OBX	SMD. TRANSISTOR BC847C	1	I0701	
12-BC847C-OBX	SMD. TRANSISTOR BC847C	1	I0702	
12-BC847C-OBX	SMD. TRANSISTOR BC847C	1	I0703	
12-BC847C-OBX	SMD. TRANSISTOR BC847C	1	I0704	
12-BC847C-OBX	SMD. TRANSISTOR BC847C	1	I0705	
12-BC847C-OBX	SMD. TRANSISTOR BC847C	1	I0711	
12-BC847C-OBX	SMD. TRANSISTOR BC847C	1	I0723	
12-BC857C-OBX	SMD. TRANSISTOR BC857C	1	I05	
12-BC857C-OBX	SMD. TRANSISTOR BC857C	1	I07	
12-BC857C-OBX	SMD. TRANSISTOR BC857C	1	I09	
13-KGT400-70B	3.3V 4M CMOS SRAM KGT4008V1C-G870	1	I0703	
13-L7805C-VAP	IC L7805CV 1.5A (REGULATOR)	1	I0802	
13-LD1117-33B	IC LD1117 3.3V	1	I0803	
13-LD1117-33B	IC LD1117 3.3V	1	I0805	
13-LD1117-50B	5.0V IC LD1117550	1	I0804	
13-M24C32-MNB	IC M24C32-MNB (S08)	1	I0704	
13-MSP341-1AB	IC MSP3411G (PLD/P64)	1	I05502	
13-P009RD-11S	IC P009RD11 (9V LL REGULATOR)	1	I0601	
13-TDA130-8TB	IC TDA1308T (S08)	1	I05830	
13-TEA641-5CB	IC TEA6415CD (S020)	1	I05501	
13-VCT383-4AB	IC VCT383AA	1	I0701	
18-EED47B-JNX	RES. FUSE 0.47 OHM 1/2W +/-5%	1	R811	
18-FF0470-JGX	RES. 0.47 OHM 1W +/-5%	1	R809	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	I05570A	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	I011	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	I05539	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	I05832A	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	I05833A	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	I0751	
19-BB0100-JTX	RES. SMD 10 OHM 1/10W +/-5%	1	R10	
19-BB0100-JTX	RES. SMD 10 OHM 1/10W +/-5%	1	R22	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R19	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R27	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R34	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R5510	

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Item No.	Description	Quantity	Designator	Remarks
19-BB0101-JTX	SMD RES 100 OHM 1/10W +/-5%	1	R5512	
19-BB0101-JTX	SMD RES 100 OHM 1/10W +/-5%	1	R5514	
19-BB0101-JTX	SMD RES 100 OHM 1/10W +/-5%	1	R5516	
19-BB0101-JTX	SMD RES 100 OHM 1/10W +/-5%	1	R5528	
19-BB0101-JTX	SMD RES 100 OHM 1/10W +/-5%	1	R5531	
19-BB0101-JTX	SMD RES 100 OHM 1/10W +/-5%	1	R5532	
19-BB0101-JTX	SMD RES 100 OHM 1/10W +/-5%	1	R5577	
19-BB0101-JTX	SMD RES 100 OHM 1/10W +/-5%	1	R5578	
19-BB0101-JTX	SMD RES 100 OHM 1/10W +/-5%	1	R735	
19-BB0101-JTX	SMD RES 100 OHM 1/10W +/-5%	1	R792	
19-BB0101-JTX	SMD RES 100 OHM 1/10W +/-5%	1	R793	
19-BB0101-JTX	SMD RES 100 OHM 1/10W +/-5%	1	R794	
19-BB0101-JTX	SMD RES 100 OHM 1/10W +/-5%	1	R795	
19-BB0000-JTX	SMD RES 0 OHM 1/10W +/-5%	1	R1001	
19-BB0102-JTX	SMD RES 1k OHM 1/10W +/-5%	1	R20	
19-BB0102-JTX	SMD RES 1k OHM 1/10W +/-5%	1	R28	
19-BB0102-JTX	SMD RES 1k OHM 1/10W +/-5%	1	R35	
19-BB0102-JTX	SMD RES 1k OHM 1/10W +/-5%	1	R39	
19-BB0102-JTX	SMD RES 1k OHM 1/10W +/-5%	1	R5552	
19-BB0102-JTX	SMD RES 1k OHM 1/10W +/-5%	1	R5557	
19-BB0102-JTX	SMD RES 1k OHM 1/10W +/-5%	1	R58	
19-BB0102-JTX	SMD RES 1k OHM 1/10W +/-5%	1	R62	
19-BB0102-JTX	SMD RES 1k OHM 1/10W +/-5%	1	R7	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R1002	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R43	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R45	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R5524A	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R5525A	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R5526A	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R5527A	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R5551	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R5556	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R5561	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R57	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R701	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R702	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R714	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R715	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R725	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R749	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R762	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R801	
19-BB0104-JTX	SMD RES 100k OHM 1/10W +/-5% 0805	1	R5537	
19-BB0122-JTX	SMD RES 1.2k OHM 1/10W +/-5%	1	R750	
19-BB0181-FTX	SMD RES 180 OHM 1/8W +/-1% 0805	1	R16	
19-BB0181-FTX	SMD RES 180 OHM 1/8W +/-1% 0805	1	R24	

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Item No.	Description	Quantity	Designator	Remarks
19-BB0181-FTX	SMD RES 180 OHM 1/8W +/-1% 0805	1	R31	
19-BB0183-JTX	SMD RES 18k OHM 1/10W +/-5%	1	R12	
19-BB0183-JTX	SMD RES 18k OHM 1/10W +/-5%	1	R42	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R001	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R002	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R003	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R004	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R005	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R006	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R007	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R008	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R009	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R010	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R011	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R012	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R013	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R014	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R015	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R016	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R017	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R018	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R019	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R020	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R021	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R022	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R023	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R024	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R025	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R026	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R027	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R028	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R029	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R030	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R031	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R780	
19-BB0000-JTX	SMD RES 0 OHM 1/10W +/-5%	1	R1003	
19-BB0221-JTX	SMD RES 220 OHM 1/10W +/-5% 0805	1	R1004	
19-BB0221-JTX	SMD RES 220 OHM 1/10W +/-5% 0805	1	R5522	
19-BB0221-JTX	SMD RES 220 OHM 1/10W +/-5% 0805	1	R5523	
19-BB0221-JTX	SMD RES 220 OHM 1/10W +/-5% 0805	1	R5550	
19-BB0221-JTX	SMD RES 220 OHM 1/10W +/-5% 0805	1	R5555	
19-BB0221-JTX	SMD RES 220 OHM 1/10W +/-5% 0805	1	R5560	
19-BB0221-JTX	SMD RES 220 OHM 1/10W +/-5% 0805	1	R669	
19-BB0222-JTX	SMD RES 2.2k OHM 1/10W +/-5%	1	R40	
19-BB0223-JTX	SMD RES 22k OHM 1/10W +/-5%	1	R17	
19-BB0223-JTX	SMD RES 22k OHM 1/10W +/-5%	1	R25	

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Item No.	Description	Quantity	Designator	Remarks
19-BB0223-JTX	SMD. RES 22k OHM 1/10W +/-5%	1	R32	
19-BB0223-JTX	SMD. RES 22k OHM 1/10W +/-5%	1	R5501A	
19-BB0223-JTX	SMD. RES 22k OHM 1/10W +/-5%	1	R703	
19-BB0223-JTX	SMD. RES 22k OHM 1/10W +/-5%	1	R717	
19-BB0223-JTX	SMD. RES 22k OHM 1/10W +/-5%	1	R737	
19-BB0223-JTX	SMD. RES 22k OHM 1/10W +/-5%	1	R744	
19-BB0223-JTX	SMD. RES 22k OHM 1/10W +/-5%	1	R804	
19-BB0241-JTX	RES. SMD 240 OHM 1/10W +/-5%	1	R70	
19-BB0271-JTX	SMD. RES 270 OHM 1/10W +/-5%	1	R5511	
19-BB0271-JTX	SMD. RES 270 OHM 1/10W +/-5%	1	R5513	
19-BB0271-JTX	SMD. RES 270 OHM 1/10W +/-5%	1	R5515	
19-BB0271-JTX	SMD. RES 270 OHM 1/10W +/-5%	1	R5517	
19-BB0271-JTX	SMD. RES 270 OHM 1/10W +/-5%	1	R5524	
19-BB0271-JTX	SMD. RES 270 OHM 1/10W +/-5%	1	R5525	
19-BB0271-JTX	SMD. RES 270 OHM 1/10W +/-5%	1	R5526	
19-BB0271-JTX	SMD. RES 270 OHM 1/10W +/-5%	1	R5527	
19-BB0271-JTX	SMD. RES 270 OHM 1/10W +/-5%	1	R89	
19-BB0332-JTX	SMD. RES 3.3k OHM 1/10W +/-5%	1	R63	
19-BB0332-JTX	SMD. RES 3.3k OHM 1/10W +/-5%	1	R64	
19-BB0332-JTX	SMD. RES 3.3k OHM 1/10W +/-5%	1	R65	
19-BB0333-JTX	SMD. RES 33k OHM 1/10W +/-5%	1	R706	
19-BB0333-JTX	SMD. RES 33k OHM 1/10W +/-5%	1	R709	
19-BB0361-FTX	SMD. RES 360 OHM 1/8W +/-1% 0805	1	R18	
19-BB0361-FTX	SMD. RES 360 OHM 1/8W +/-1% 0805	1	R26	
19-BB0361-FTX	SMD. RES 360 OHM 1/8W +/-1% 0805	1	R33	
19-BB0392-JTX	SMD. RES 3.9k OHM 1/10W +/-5% 0805	1	R5830	
19-BB0392-JTX	SMD. RES 3.9k OHM 1/10W +/-5% 0805	1	R5831	
19-BB0273-JTX	SMD. RES 27k OHM 1/10W +/-5%	1	R5832	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R44	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R5834	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R5834A	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R5835	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R5835A	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R6	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R61	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R66	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R726	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R727	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R730	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R733	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R763	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R764A	
19-BB0473-JTX	SMD. RES 47k OHM 1/10W +/-5% 0805	1	R705	
19-BB0473-JTX	SMD. RES 47k OHM 1/10W +/-5% 0805	1	R708	
19-BB0473-JTX	SMD. RES 47k OHM 1/10W +/-5% 0805	1	R728	
19-BB0473-JTX	SMD. RES 47k OHM 1/10W +/-5% 0805	1	R729	

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Item No.	Description	Quantity	Designator	Remarks
19-BB0473-JTX	SMD. RES 47k OHM 1/10W +/-5% 0805	1	R731	
19-BB0473-JTX	SMD. RES 47k OHM 1/10W +/-5% 0805	1	R732	
19-BB0562-JTX	SMD. RES 5.6k OHM 1/10W +/-5%	1	R13	
19-BB0562-JTX	SMD. RES 5.6k OHM 1/10W +/-5%	1	R8	
19-BB0681-JTX	SMD. RES 680 OHM 1/10W +/-5%	1	R5547	
19-BB0681-JTX	SMD. RES 680 OHM 1/10W +/-5%	1	R5548	
19-BB0682-JTX	SMD. RES 6.8k OHM 1/10W +/-5%	1	R27	
19-BB0682-JTX	SMD. RES 6.8k OHM 1/10W +/-5%	1	R38	
19-BB0682-JTX	SMD. RES 6.8k OHM 1/10W +/-5%	1	R739	
19-BB0683-JTX	SMD. RES 68k OHM 1/10W +/-5%	1	R718	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R21	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R29	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R36	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R5533	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R5536	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R5540	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R5554	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R5555A	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R5556A	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R5562	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R5563	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R5570	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R5571	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R5572	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R5573	
19-BB0820-FTX	SMD. RES 82 OHM 1/10W +/-1% 0805	1	R15	
19-BB0820-FTX	SMD. RES 82 OHM 1/10W +/-1% 0805	1	R23	
19-BB0820-FTX	SMD. RES 82 OHM 1/10W +/-1% 0805	1	R30	
19-BB0823-JTX	SMD. RES 82k OHM 1/10W +/-5%	1	R5538	
19-C0000-JTX	RES. SMD 0 OHM 1206	1	R8702	
19-C0000-JTX	RES. SMD 0 OHM 1206	1	R8711	
19-C0103-JTX	SMD. RES 10kOHM 1/4W +/-5% 1206	1	R53	
25-BBB101-M1X	CAP. ELEC 100UF 10V +/-20%	1	C4	
25-BBB101-M1X	CAP. ELEC 100UF 10V +/-20%	1	C5523	
25-BBB101-M1X	CAP. ELEC 100UF 10V +/-20%	1	C5524	
25-BBB101-M1X	CAP. ELEC 100UF 10V +/-20%	1	C5579	
25-BBB101-M1X	CAP. ELEC 100UF 10V +/-20%	1	C714	
25-BBB101-M1X	CAP. ELEC 100UF 10V +/-20%	1	C788	
25-BCB101-M1X	CAP. ELEC 100 UF 16V +/-20%	1	C811	
25-BCB221-M1X	CAP. ELEC 220 UF 16V +/-20%	1	C802	
25-BCB221-M1X	CAP. ELEC 220 UF 16V +/-20%	1	C806	
25-BCB221-M1X	CAP. ELEC 220 UF 16V +/-20%	1	C808	
25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	1	C834	
25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	1	C745	
25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	1	C750	
25-BCB470-M1X	CAP. ELEC 47 UF 16V +/-20%	1	C753	

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Item No.	Description	Quantity	Designator	Remarks
25-BCB470-M1X	CAP_ELEC 47 UF 16V +/-20%	1	C758	
25-BCB470-M1X	CAP_ELEC 47 UF 16V +/-20%	1	C762	
25-BCB470-M1X	CAP_ELEC 47 UF 16V +/-20%	1	C765	
25-BCB470-M1X	CAP_ELEC 47 UF 16V +/-20%	1	C768	
25-BCB470-M1X	CAP_ELEC 47 UF 16V +/-20%	1	C771	
25-BCB470-M1X	CAP_ELEC 47 UF 16V +/-20%	1	C774	
25-BCB470-M1X	CAP_ELEC 47 UF 16V +/-20%	1	C821	
25-BCB471-M1X	CAP_ELEC 470 UF 16V +/-20%	1	C5520	
25-BCB471-M1X	CAP_ELEC 470 UF 16V +/-20%	1	C785	
25-BCB471-M1X	CAP_ELEC 470 UF 16V +/-20%	1	C801	
25-BCB471-M1X	CAP_ELEC 470 UF 16V +/-20%	1	C809	
25-BCB471-M1X	CAP_ELEC 470 UF 16V +/-20%	1	C814	
25-BCB471-M1X	CAP_ELEC 470 UF 16V +/-20%	1	C833	
25-BDB479-M1X	CAP_ELEC 4.7 UF 25V +/-20%	1	C5503A	
25-BFB108-M1X	CAP_ELEC 0.1 UF 50V +/-20%	1	C5835	
25-BFB108-M1X	CAP_ELEC 0.1 UF 50V +/-20%	1	C5835A	
25-BFB109-M1X	CAP_ELEC 1 UF 50V +/-20%	1	C716	
25-BFB229-M1X	CAP_ELEC 2.2 UF 50V +/-20%	1	C20	
25-BFB229-M1X	CAP_ELEC 2.2 UF 50V +/-20%	1	C21	
25-BFB229-M1X	CAP_ELEC 2.2 UF 50V +/-20%	1	C5510	
25-BFB229-M1X	CAP_ELEC 2.2 UF 50V +/-20%	1	C5512	
25-BFB229-M1X	CAP_ELEC 2.2 UF 50V +/-20%	1	C5514	
25-BFB229-M1X	CAP_ELEC 2.2 UF 50V +/-20%	1	C5516	
25-BFB339-M1X	CAP_ELEC 3.3 UF 50V +/-20%	1	C5526	
25-HCB100-M1X	CAP_ELEC 10 UF 16V +/-20%	1	C5501	
25-HCB100-M1X	CAP_ELEC 10 UF 16V +/-20%	1	C5525	
25-HCB100-M1X	CAP_ELEC 10 UF 16V +/-20%	1	C5550	
25-HCB100-M1X	CAP_ELEC 10 UF 16V +/-20%	1	C5553	
25-HCB100-M1X	CAP_ELEC 10 UF 16V +/-20%	1	C5836	
25-HCB100-M1X	CAP_ELEC 10 UF 16V +/-20%	1	C5837	
25-HCB100-M1X	CAP_ELEC 10 UF 16V +/-20%	1	C701	
25-HCB100-M1X	CAP_ELEC 10 UF 16V +/-20%	1	C710	
25-HCB220-M1X	CAP_ELEC 22 UF 16V +/-20%	1	C5576	
25-HCB220-M1X	CAP_ELEC 22 UF 16V +/-20%	1	C742	
25-HCB221-M1X	CAP_ELEC 220 UF 16V +/-20% (6.3X7.7)	1	C819	
25-HCB470-M1X	CAP_ELEC 47 UF 16V +/-20%	1	C759	
28-BB0101-JCX	SMD CAP 100 pF 50V C 0805	1	C3	
28-BB0101-JCX	SMD CAP 100 pF 50V C 0805	1	C5	
28-BB0101-JCX	SMD CAP 100 pF 50V C 0805	1	C5574	
28-BB0101-JCX	SMD CAP 100 pF 50V C 0805	1	C5575	
28-BB0101-JCX	SMD CAP 100 pF 50V C 0805	1	C8	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C5504	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C5505	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C5552	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C5838	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C5839	

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Item No.	Description	Quantity	Designator	Remarks
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C5840	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C5841	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C704	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C705	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C720	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C731	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C732	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C743	
28-BB0103-ZFX	SMD CAP 10NF 50V +80/-20%	1	C5834A	
28-BB0103-ZFX	SMD CAP 10NF 50V +80/-20%	1	C803	
28-BB0103-ZFX	SMD CAP 10NF 50V +80/-20%	1	C805	
28-BB0103-ZFX	SMD CAP 10NF 50V +80/-20%	1	C807	
28-BB0103-ZFX	SMD CAP 10NF 50V +80/-20%	1	C810	
28-BB0103-ZFX	SMD CAP 10NF 50V +80/-20%	1	C813	
28-BB0103-ZFX	SMD CAP 10NF 50V +80/-20%	1	C818	
28-BB0103-ZFX	SMD CAP 10NF 50V +80/-20%	1	C820	
28-BB0103-ZFX	SMD CAP 10NF 50V +80/-20%	1	C834	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C2	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C5502	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C5527	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C5551	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C5554	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C5578	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C702	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C703	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C713	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C746	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C747	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C751	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C754	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C757	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C760	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C763	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C766	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C769	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C772	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C775	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C784	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C786	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C812	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80/-20% 0805	1	C817	
28-BB0120-JCX	SMD CAP 12 pF 50VDC +/-5%	1	C5557	
28-BB0120-JCX	SMD CAP 12 pF 50VDC +/-5%	1	C5558	
28-BB0222-KBX	SMD CAP 2200pF 50V +/-10%	1	C5830	
28-BB0222-KBX	SMD CAP 2200pF 50V +/-10%	1	C5831	
28-BB0221-JCX	SMD CAP 220 pF 50VDC +/-5%	1	C5518	

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Item No.	Description	Quantity	Designator	Remarks
28-BB0222-KBX	SMD CAP 2200PF 50V +/-10%	1	C5536	
28-BB0222-KBX	SMD CAP 2200PF 50V +/-10%	1	C5538	
28-BB0222-KBX	SMD CAP 2200PF 50V +/-10%	1	C5540	
28-BB0222-KBX	SMD CAP 2200PF 50V +/-10%	1	C5542	
28-BB0222-KBX	SMD CAP 2200PF 50V +/-10%	1	C5544	
28-BB0222-KBX	SMD CAP 2200PF 50V +/-10%	1	C5546	
28-BB0222-KBX	SMD CAP 2200PF 50V +/-10%	1	C712	
28-BB0222-KBX	SMD CAP 2200PF 50V +/-10%	1	C752	
28-BB0222-KBX	SMD CAP 2200PF 50V +/-10%	1	C755	
28-BB0222-KBX	SMD CAP 2200PF 50V +/-10%	1	C758	
28-BB0222-KBX	SMD CAP 2200PF 50V +/-10%	1	C761	
28-BB0222-KBX	SMD CAP 2200PF 50V +/-10%	1	C764	
28-BB0222-KBX	SMD CAP 2200PF 50V +/-10%	1	C767	
28-BB0222-KBX	SMD CAP 2200PF 50V +/-10%	1	C770	
28-BB0222-KBX	SMD CAP 2200PF 50V +/-10%	1	C773	
28-BB0222-KBX	SMD CAP 2200PF 50V +/-10%	1	C776	
28-BB0224-ZFX	SMD CAP 0.22UF 50V +80%/-20% 0805	1	C5533	
28-BB0224-ZFX	SMD CAP 0.22UF 50V +80%/-20% 0805	1	C5584	
28-BB0224-ZFX	SMD CAP 0.22UF 50V +80%/-20% 0805	1	C5585	
28-BB0334-ZFX	SMD CAP 0.33UF 50V +80%/-20%	1	C5535	
28-BB0334-ZFX	SMD CAP 0.33UF 50V +80%/-20%	1	C5537	
28-BB0334-ZFX	SMD CAP 0.33UF 50V +80%/-20%	1	C5538	
28-BB0334-ZFX	SMD CAP 0.33UF 50V +80%/-20%	1	C5541	
28-BB0334-ZFX	SMD CAP 0.33UF 50V +80%/-20%	1	C5543	
28-BB0334-ZFX	SMD CAP 0.33UF 50V +80%/-20%	1	C5545	
28-BB0472-KBX	SMD CAP 4700PF 50V +/-10%	1	C1	
28-BB0473-ZFX	SMD CAP 0.047UF 50V +80%/-20%	1	C711	
28-BB0560-JCX	SMD CAP 56PF 50V +/-5%	1	C5556	
28-BB0560-JCX	SMD CAP 56PF 50V +/-5%	1	C5560	
28-BB0560-JCX	SMD CAP 56PF 50V +/-5%	1	C5561	
28-BB0683-ZFX	SMD CAP 0.068UF 50V +80%/-20%	1	C740	
28-BB0683-ZFX	SMD CAP 0.068UF 50V +80%/-20%	1	C741	
28-BB0683-ZFX	SMD CAP 0.068UF 50V +80%/-20%	1	C744	
28-CC0476-MTX	TANTALUM CAP. 47 UF 16V +/-20% 6032	1	C804	
28-CD0684-KBX	SMD CAP 0.68UF 25V +/-10%	1	C722	
33-DLL100-KTX	SMD COIL 10 UH +/-10% 3225	1	L1	
33-DLL100-KTX	SMD COIL 10 UH +/-10% 3225	1	L5501	
33-DLL100-KTX	SMD COIL 10 UH +/-10% 3225	1	L5504	
33-DLL100-KTX	SMD COIL 10 UH +/-10% 3225	1	L5830	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L5570	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L5571	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L5572	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L5573	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L5574	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L5575	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L801	

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Item No.	Description	Quantity	Designator	Remarks
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L802	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L25501	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L2701	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L2710	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L2711	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L2712	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L2713	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L2714	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L2715	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L2716	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L2717	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L2718	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L2719	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L2720	
33-DLL331-KTX	SMD COLL LQH32MM331K23L	1	L5502	
33-DLL331-KTX	SMD COLL LQH32MM331K23L	1	L701	
33-DLL331-KTX	SMD COLL LQH32MM331K23L	1	L712	
36-LIF020-XX0	LINE FILTER LC-33-TCL	1	L810	
40-3026WS-MAC	P.C.B. MAIN PCB BD	1		
50-030008-MUU	FUSE R251003-3A	1	R812	
45-05C18M-4Y2	CRYSTAL 18.432MHz (CL=12pF)	1	Z5502	
45-05C20M-2Y0	CRYSTAL 20.25MHz	1	Z202	
46-35199W-05X	CONN PH-5A SPIN PITCH=2.0MM	1	P1002	
46-35199W-04X	CONN PH-4A 4PIN PITCH=2.0MM	1	P5801	
46-35199W-08X	CONN PH-8A 8PIN PITCH=2.0MM	1	P1001	
46-35199W-08X	CONN PH-8A 8PIN PITCH=2.0MM	1	S5504	
46-35199W-10X	CONN PH-10 10PIN PITCH=2.0MM	1	P5540	
46-35199W-15X	CONN PH-15A PITCH=2.0MM	1	S601	
46-35200W-02X	CONN VH-2A 2PIN PITCH=3.96MM	1	P1004	
46-35200W-02X	CONN VH-2A 2PIN PITCH=3.96MM	1	P1005	
47-SCA001-XX0	SCART SOCKET 21 PINS 55101-P	1	X5510	
47-SCA001-XX0	SCART SOCKET 21 PINS 55101-P	1	X5520	
64-B30120-104	M/C SCREW 8 3 X 12	1	FOR IC802	
64-P30140-104	M/C SCREW P 3 X 14 ZINC	1	FOR IC801	
65-Z30050-23M	NUT M 3	1	FOR IC801	
65-Z30050-23M	NUT M 3	1	FOR IC802	
67-H36880-049	HEAT SINK	1	FOR IC801	
67-H36880-049	HEAT SINK	1	FOR IC802	
46-39363H-02X	HS 2P 1007 #18 60MM VH-ZY*2	1	FROM DIGITAL BD P24 TO ANALOG BD P1004	
46-39364H-04X01	HS 4P 1185#26 300MM PH-4Y*2	1	FROM ANALOG BD PS5801 TO RECEIVE BD J3	
46-39363H-02X01	HS 2P 1007 #18 200MM VH-ZY*2	1	FROM ANALOG BD P1005 TO ANALOG BD S1005	
46-39366H-07X	HS 7P 2464 #26/1185#26 100MM PH-7Y	1	P5802	
46-39367H-10X	HS 10P 1185#26/2468#26 200MM PH-10Y*2	1	FROM ANALOG BD P5504 TO DIGITAL BD P14	
28-B00105-ZFX	SMD CAP 1UF 25V +80%/-20%	1	C5573	
28-B00105-ZFX	SMD CAP 1UF 25V +80%/-20%	1	C5574A	
19-BB0273-JTX	SMD RES 27K OHM 1/10W +/-5%	1	R5837	

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Item No.	Description	Quantity	Designator	Remarks
67-S70980-0E0	SCREEN COVER	1	FOR X5510	
67-S70980-0E0	SCREEN COVER	1	FOR X5520	
28-DC0107-MTX	TANTALUM CAP 100 UF 16VDC +/-20%	1	C790	
28-BB0330-JCX	SMD CAP 33PF 50V +/-5%	1	C5580	
28-BB0330-JCX	SMD CAP 33PF 50V +/-5%	1	C5582	
28-BB0330-JCX	SMD CAP 33PF 50V +/-5%	1	C5583	
28-BB0330-JCX	SMD CAP 33PF 50V +/-5%	1	C5591	
28-BB0470-JCX	SMD CAP 47 PF 50V +/-5%	1	C5581	
28-BB0470-JCX	SMD CAP 47 PF 50V +/-5%	1	C5590	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L5580	
33-ELN102-NTX	SMD COLL CBG201209U 1028	1	L5581	
33-DLL100-KTX	SMD COIL 10 UH +/-10% 3225	1	L2	
46-35199W-03X	PIN BASE *3 PITCH=2.0MM	1	P1003	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C5594	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C5595	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C5596	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C5597	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C5570	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C5571A	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C5572	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C5573A	
13-N29W40-0NB	IC N29W40088/08 (TSOP48-TS)	1	C702A	
46-39466H-15X	HS 1SP_2468426_1185/26/1007426	1		FROM ANALOG BD S501 TO ZJY BD P602,P603
28-BB0103-KBX	SMD CAP 10PF 50V +/-10% 0805	1	D730	
19-BB0222-JTX	SMD RES 2.2k OHM 1/10W +/-5%	1	R797	
28-BB0160-JCX	SMD CAP 16 PF 50V +/-5%	1	C748	
28-BB0160-JCX	SMD CAP 16 PF 50V +/-5%	1	C749	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R5557A	
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R5558	
41-BFO050-3BB	WIRE UL 1007 #24 50MM DRG	1		FOR S5504 AND P1003
28-BB0474-ZFX	SMD CAP 0.47UF 50V +80%-20%	1	C733	
28-BB0474-ZFX	SMD CAP 0.47UF 50V +80%-20%	1	C734	
28-BB0474-ZFX	SMD CAP 0.47UF 50V +80%-20%	1	C735	
19-BB0750-JTX	SMD RES 75 OHM 1/10W +/-5%	1	R5559	
19-BB0472-JTX	SMD RES 4.7k OHM 1/10W +/-5%	1	R5575	
19-BB0472-JTX	SMD RES 4.7k OHM 1/10W +/-5%	1	R5576	
28-XC0475-MTX	TANTALUM CAP 4.7 UF 16V +/-20% B	1	C5571	
08-L3026S-1FY		1		
09-08A982-ATX	SMD DIODE BAV82-0508	1	D610	
09-08A982-ATX	SMD DIODE BAV82-0508	1	D611	
09-08A982-ATX	SMD DIODE BAV82-0508	1	D612	
09-08AV99-ATX	HIGH SPEED DOUBLE DIODE BAV99	1	D613	
09-55C33V-DTX	SMD DIODE BZV55-C33	1	D614	
09-LL4148-ATX	SMD SWITCHING DIODE LL4148	1	D601	
12-BC846B-0BX	TRANSISTORS BC846B (PNP)	1	D612	
12-BC847C-0BX	SMD TRANSISTOR BC847C	1	D610	

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Item No.	Description	Quantity	Designator	Remarks
12-BC847C-0BX	SMD TRANSISTOR BC847C	1	C611	
13-TDA988-6TB	IC TDA9886T/V3	1	C601	
19-BB0101-JTX	SMD RES 100 OHM 1/10W +/-5%	1	R618	
19-BB0101-JTX	SMD RES 100 OHM 1/10W +/-5%	1	R619	
19-BB0104-JTX	SMD RES 100k OHM 1/10W +/-5% 0805	1	R616	
19-BB0104-JTX	SMD RES 100k OHM 1/10W +/-5% 0805	1	R630	
19-BB0123-JTX	SMD RES 12k OHM 1/10W +/-5%	1	R601	
19-BB0123-JTX	SMD RES 12k OHM 1/10W +/-5%	1	R615	
19-BB0221-JTX	SMD RES 220 OHM 1/10W +/-5% 0805	1	R614	
19-BB0222-JTX	SMD RES 2.2k OHM 1/10W +/-5%	1	R614	
19-BB0223-JTX	SMD RES 22k OHM 1/10W +/-5%	1	R604	
19-BB0223-JTX	SMD RES 22k OHM 1/10W +/-5%	1	R608	
19-BB0223-JTX	SMD RES 22k OHM 1/10W +/-5%	1	R611	
19-BB0224-JTX	SMD RES 220k OHM 1/10W +/-5%	1	R610	
19-BB0331-JTX	SMD RES 330 OHM 1/10W +/-5% 0805	1	R612	
19-BB0473-JTX	SMD RES 47k OHM 1/10W +/-5% 0805	1	R631	
19-BB0510-JTX	RES SMD 51 OHM 1/10W +/-5% 0805	1	R605	
19-BB0562-JTX	SMD RES 5.6k OHM 1/10W +/-5%	1	R617	
19-BB0682-JTX	SMD RES 6.8k OHM 1/10W +/-5%	1	R606	
19-BB0682-JTX	SMD RES 8.8k OHM 1/10W +/-5%	1	R607	
19-BB0684-JTX	SMD RES 680k OHM 1/10W +/-5%	1	R609	
19-BB0750-JTX	SMD RES 75 OHM 1/10W +/-5%	1	R613	
28-DC0107-MTX	TANTALUM CAP 100 UF 16VDC +/-20%	1	C638	
28-BB0102-KBX	SMD CAP 0.001UF 50V B 0805	1	C619	
28-BB0103-ZFX	SMD CAP 10NF 50V +80%-20%	1	C609	
28-BB0103-ZFX	SMD CAP 10NF 50V +80%-20%	1	C611	
28-BB0103-ZFX	SMD CAP 10NF 50V +80%-20%	1	C617	
28-BB0103-ZFX	SMD CAP 10NF 50V +80%-20%	1	C621	
28-BB0103-ZFX	SMD CAP 10NF 50V +80%-20%	1	C623	
28-BB0103-ZFX	SMD CAP 10NF 50V +80%-20%	1	C635	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80%-20% 0805	1	C603	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80%-20% 0805	1	C604	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80%-20% 0805	1	C622	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80%-20% 0805	1	C633	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +80%-20% 0805	1	C634	
28-BB0152-KBX	SMD CAP 1500PF 50V +/-10%	1	C614	
28-BB0200-JCX	SMD CAP 20 PF 50V +/-5%	1	C613	
28-BB0201-JCX	SMD CAP 200 pF 50VDC +/-5% 0805	1	C631	
28-BB0224-ZFX	SMD CAP 0.22UF 50V +80%-20% 0805	1	C610	
28-BB0271-JCX	SMD CAP 270 PF 50V +/-5%	1	C632	
28-BB0391-JCX	SMD CAP 380 PF 50V +/-5%	1	C618	
28-BB0472-KBX	SMD CAP 4700PF 50V +/-10%	1	C630	
28-BB0474-ZFX	SMD CAP 0.47UF 50V +80%-20%	1	C612	
28-BB0474-ZFX	SMD CAP 0.47UF 50V +80%-20%	1	C615	
28-BB0474-ZFX	SMD CAP 0.47UF 50V +80%-20%	1	C620	
28-CC0476-MTX	TANTALUM CAP 47 UF 16V +/-20% 0802	1	C601	

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Item No.	Description	Quantity	Designator	Remarks
28-CC0476-MTX	TANTALUM CAP. 47 UF 16V +/-20% 6032	1	LC602	
28-CC0476-MTX	TANTALUM CAP. 47 UF 16V +/-20% 6032	1	LC637	
33-DLL100-KTX	SMD COIL 10 UH +/-10% 3225	1	LC602	
33-DLL100-KTX	SMD COIL 10 UH +/-10% 3225	1	LC612	
33-ELL100-KTX	SMD COIL MGF1202C1R0KT	1	LC601	
33-ELN102-NTX	SMD COLL CGB201208U 1028	1	LC606	
34-R102K7-OEX	COIL 1000 UH +/-10%	1	LC603	
34-R102K7-OEX	COIL 1000 UH +/-10%	1	LC604	
40-LS3026-TUC	P.C.B. TUNER BD	1		
41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J601	
41-WJ0100-B00	WIRE BARE JUMPER 10MM	1	J602	
45-OSC4MO-0N10A	CRYSTAL 4.0MHz	1	Z601	
45-SAWK39-53D	S.A.W B39389-K3953-D100	1	Z610	
45-SAWK94-53D	S.A.W B39389-K9453-D100	1	Z611	
47-VGA013-XX0	VGA SOCKET KL-VGA15F-W	1	SG602	
08-L30265-TCY		1		
07-389F15-WX1	FS TUNER INV1316/S L G-3	1	U601	
40-LS3026-TCC	P.C.B. TUNER CHANGE BD	1		
19-BB00000-JTX	SMD RES 0 OHM 1/10W +/-5%	1	R103	
08-L30265-ZJY		1		
28-BB0103-ZFX	SMD CAP 10NF 50V +80%-20%	1	LC641	
28-CC0476-MTX	TANTALUM CAP. 47 UF 16V +/-20% 6032	1	LC640	
33-ELN102-NTX	SMD COLL CGB201208U 1028	1	LC620	
33-ELN102-NTX	SMD COLL CGB201208U 1028	1	LC621	
47-340971-50X	VGA SOCKET	1	SG602	
46-35199W-02X	CONN PH-2A 2PIN PITCH=2.0MM	1	IP603	
46-35199W-07X	CONN PH-7A PITCH=2.0MM 7PIN	1	IP601B	
46-35199W-08X	CONN PH-8A 8PIN PITCH=2.0MM	1	IP601A	
46-39469H-02X	HS 2P 2468#26 350MM PH-2Y/PN-ZY	1	FROM P603 TO + + + + S6504 (PIN1,2)	
89-382910-JZ0	EMI ALUMINUM FOIL	1		
46-35199W-02X	CONN PH-2A 2PIN PITCH=2.0MM	1	IP604	
40-30265S-ZJE	P.C.B. VGA CHANGE BD	1		
08-L30265-FCN	ASS'Y - FRONT CABINET	1		
55-707150-OHA1A	TUNER COVER	1		
62-707160-1HA1A	AV BRACKET	1		
56-707220-OHA1A	POWER KNOB	1		
56-707230-0MC1A	LENS	1		
58-709320-0U11A	INLAY KEY	1		
67-P70725-0E0	LCD BRACKET "LEFT"	1		
67-P70725-1E0	LCD BRACKET "RIGHT"	1		
67-P70726-0E0	LCD BRACKET	4		
67-P70727-0E0	LCD BACK BRACKET "LEFT"	1		
67-P70727-1E0	LCD BACK BRACKET "RIGHT"	1		
67-P70729-1E0	PCB BRACKET	1		
67-S70730-0E0	SCREEN COVER	1		
67-P70731-0E0	PCB BOX RIVET SMALL BRACKET	2		

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Item No.	Description	Quantity	Designator	Remarks
67-P70732-0E0	POWER PCB RIVET BRACKET	1		
67-P70733-0E0	POWER PCB OR TUNER BRACKET	1		
67-H70734-0AO	POWER BRACKET	1		
64-W40060-304	TRIANGLE M/C SCREW W 4 X 6	4	LCD + LCD + + + + (++)	
64-W40060-304	TRIANGLE M/C SCREW W 4 X 6	4	LCD + LCD + + + + (++)	
4A-LCD30T-LG0	LCD 30" LC300W01	1		
64-B30060-104	M/C SCREW B 3 X 6	5	+ + + + +	
64-B30060-104	M/C SCREW B 3 X 6	6	+ + + + + +	
64-B30060-104	M/C SCREW B 3 X 6	3	+ + + + + (-----)	
64-B30060-104	M/C SCREW B 3 X 6	4	+ + + + + (-----)	
64-B30060-104	M/C SCREW B 3 X 6	2	+ + + + + + (LED) + + + (++)	
64-B30060-104	M/C SCREW B 3 X 6	2	+ + + + + + (LED) + + + (++)	
64-B30140-3H4	M/C SCREW B 3 X 14	2	LCD + LCD + + + (++)	
64-B30140-3H4	M/C SCREW B 3 X 14	2	LCD + LCD + + + (++)	
63-B30080-BT4	S/T SCREW B 3 X 8 BT	2	LCD + LCD + + + (++)	
63-B30080-BT4	S/T SCREW B 3 X 8 BT	2	LCD + LCD + + + (++)	
63-B40150-AB4	S/T SCREW B 4 X 15 AB	6	+ + + LED + + + (++)	
63-B40150-AB4	S/T SCREW B 4 X 15 AB	6	+ + + LED + + + (++)	
63-B40150-AB4	S/T SCREW B 4 X 15 AB	4	+ + + LED + + +	
63-B40150-AB4	S/T SCREW B 4 X 15 AB	4	+ + + LED + + + (++)	
63-B40150-AB4	S/T SCREW B 4 X 15 AB	4	+ + + LED + + + (++)	
63-B40150-AB4	S/T SCREW B 4 X 15 AB	4	+ + + LED + + + (++)	
63-B30060-BT4	S/T SCREW B 3 X 6 BT	4	+ + + + +	
63-B30080-BT4	S/T SCREW B 3 X 8 BT	2	+ + + + +	
63-B30080-BT4	S/T SCREW B 3 X 8 BT	2	+ + + + +	
63-B30080-BT4	S/T SCREW B 3 X 8 BT	2	+ + + + +	
64-B30060-104	M/C SCREW B 3 X 6	2	+ + + + + + (LED) + + + (++)	
64-B30060-104	M/C SCREW B 3 X 6	4	+ + + + + +	
64-B30080-104	M/C SCREW B 3 X 8	2	+ + + + + (-----)	
64-B30080-104	M/C SCREW B 3 X 8	2	+ + + + + (LED) + + + (++)	
64-B30060-104	M/C SCREW B 3 X 6	1	+ + + + + (LED) + + + (++)	
64-B30060-104	M/C SCREW B 3 X 6	2	TUNER + + + + +	
64-B30100-103	M/C SCREW B 3 X 10	2	+ + + + + (-----)	
64-B30060-104	M/C SCREW B 3 X 6	1	+ + + + + (LED) + + + (++)	
55-707130-OUA1B	FRONT CABINET	1		
58-707400-OUI	PC PAD	1		
35-FB0181-20X	MAGNETIC CORE (31X18X12)	1	FOR P801 + + +	
35-FB0928-004	ANTI-JAMMING CORE H16X9X28-HA	6	FOR DC LINE INVERTER LINE	
63-B30120-BF3	S/T SCREW B 3 X 12 BF	1	+ + + + +	
63-F30160-BT3	S/T SCREW ST3X6	2		
67-L40070-0A01A	LOGO	1		
54-392350-0U0	DUSTPROOF SPONGE BAR	6		
57-10654X-00F	cable ties(2.5mmX95mm)	15		
57-29635X-00F	cable ties(4.8mmX160mm)	5		
67-V330Y1-0M4	METAL TIE	6	FOR AC LINE	

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Item No.	Description	Quantity	Designator	Remarks
66-702620-0E2	SCREW POST	4		FOR VGA + -DVI
89-00156A-JZ0	MASKING TAPE	1		FOR DC LINE, FOR PANEL
89-00156A-JZ0	MASKING TAPE	1		FOR 67-P70729-1E0
08-L30265-RCN	ASS'Y - REAR CABINET	1		
55-707140-OUA1A	REAR CABINET	1		
63-B30060-BT3	S/T SCREW B 3 X 6 BT	1		*****
63-B40150-AB3	S/T SCREW B 4 X 15 AB (BLACK)	10		*****
62-708200-OHN1A	TUNER BOX (UP)	1		
62-708210-OHN1A	TUNER BOX (LOWER)	1		
51-FC0220-OTU01	POWER CORD	1		
57-KY0CC1-0UG02	WIRE MOUNT	8		
58-3026MP-OU11D	PLATE MODEL NO	1		
08-L3026S-PAN	ASS'Y - PACKING PARTS	1		
75-709290-CC0	POLYFOAM "UL/LR"	2		
75-709300-CC0	POLYFOAM "UR/LL"	2		
75-709310-CC0	POLYFOAM LOWER	1		
74-022032-6WE	POLYBAG (23mmX34mmX0.06mm)	2		
72-LC3026-E001A	OPERATION MANUAL	1		
64-B40080-103	W/C SCREW B 4 X 8	2		*****
64-B40080-103	W/C SCREW B 4 X 8	2		*****
64-B40100-103	W/C SCREW B 4 X 10	4		*****
06-090W37-A000X	ASSY - REMOTE HANDSET	1		
46-39455H-02X	HS 2P 800mW	1		*****
46-39455H-02X01	HS 2P 700mW	1		*****
49-382380-BAT	BATTERY 7# (R03P AAA SUM-4)	2		
76-LC3026-OAT1A	CARTON BOX	1		
74-086075-5WD	EPE SHEET	1		
74-030043-50Q	PLASTIC BAG	1		
76-003026-0BC	CARTON BOX	1		
76-003026-0AC	CARTON BOX	0.05		
76-003026-TJM	CARTON BOX	0.012		
76-708240-0BT	TUNER BOX PAPER	1		
76-708250-0BT	TUNER PAPER BOX	1		
08-L3026S-SPY	SPEAKER BD	1		
47-SPK002-XX0	TERMINAL SPEAKER PST-407	1		
46-35135W-02X	PIN BASE PH-02AW	1J2		
46-35135W-02X	PIN BASE PH-02AW	1J3		
36-371620-00X	NETWORK FILTER NF0801	1U1		
40-3026WS-SPA	P C B	1		
08-L3026S-SP1	ASS'Y - LEFT SPEAKER PARTS	1		
67-M70704-0E01A	CONNECT PARCEL	2		
42-G3516F-XX0	SPEAKER 16 OHM 8W	1		
47-SPK016-XX1	CONNECTOR SOCKET 2P PST-203A	1		
63-B30080-BT4	S/T SCREW B 3 X 8 BT	2		*****
63-B30080-BT4	S/T SCREW B 3 X 8 BT	2		*****
63-B30080-BT4	S/T SCREW B 3 X 8 BT	4		*****

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Item No.	Description	Quantity	Designator	Remarks
59-700340-000	POST STOPPLE	8		
63-B35120-AB4	S/T SCREW B 3.5 X 12	8		*****
63-B40150-AB3	S/T SCREW B 4 X 15 AB (BLACK)	4		*****
55-707170-OHN1B	SOUND BOX FRONT CABINET	1		
56-3026SG-OHN1A	SPEAKER GRILLE	1		
55-707180-OHN1B	SOUND BOX REAR CABINET	1		
42-07808F-XX0	SPEAKER 8 OHM 8W (78mmX78mm)	1		
25-DFB229-M1X	CAP. ELEC 2.2 UF 50V +/-20% BP	1		FOR HI-SPEAKER
41-TF0200-9CC	WIRE UL 2468 #22 200mm RD WH	1		FROM HI-SPEAKER TO TERMINAL
41-TF0150-9CC	WIRE 2PIN	1		FROM HI-SPEAKER TO HI-SPEAKER
54-700770-000	SPEAKER AIRPROOF STRIP 6mmX1mmX2000mm	1		
54-114000-00X	FELT TAPE (150mmX19mmX0.3mm)	1		
62-707190-OHN1A	LEFT SOUND BOX MIDDLE BOARD	1		
54-702890-000	ABSORB FLOSS (330mmX200mmX20mm)	1		
74-020070-50C	POLYBAG	1		
08-L3026S-SP2	ASS'Y - RIGHT SPEAKER PARTS	1		
55-707170-OHN1B	SOUND BOX FRONT CABINET	1		
55-707180-OHN1B	SOUND BOX REAR CABINET	1		
67-M70704-0E01A	CONNECT PARCEL	2		
42-G3516F-XX0	SPEAKER 16 OHM 8W	1		
47-SPK016-XX1	CONNECTOR SOCKET 2P PST-203A	1		
63-B30080-BT4	S/T SCREW B 3 X 8 BT	2		*****
63-B30080-BT4	S/T SCREW B 3 X 8 BT	2		*****
63-B30080-BT4	S/T SCREW B 3 X 8 BT	4		*****
59-700340-000	POST STOPPLE	8		
63-B35120-AB4	S/T SCREW B 3.5 X 12	8		*****
63-B40150-AB3	S/T SCREW B 4 X 15 AB (BLACK)	4		*****
56-3026SG-OHN1A	SPEAKER GRILLE	1		
42-07808F-XX0	SPEAKER 8 OHM 8W (78mmX78mm)	1		
25-DFB229-M1X	CAP. ELEC 2.2 UF 50V +/-20% BP	1		FOR HI-SPEAKER
41-TF0200-9CC	WIRE UL 2468 #22 200mm RD WH	1		FROM HI-SPEAKER TO PST-203A
41-TF0150-9CC	WIRE 2PIN	1		FROM HI-SPEAKER TO HI-SPEAKER
54-700770-000	SPEAKER AIRPROOF STRIP 6mmX1mmX2000mm	1		
54-114000-00X	FELT TAPE (150mmX19mmX0.3mm)	1		
62-707200-OHN1A	RIGHT SOUND BOX MIDDLE BOARD	1		
54-702890-000	ABSORB FLOSS (330mmX200mmX20mm)	1		
74-020070-50C	POLYBAG	1		
08-L3026S-BSY	ASS'Y - BASE PARTS	1		
62-707210-OHN1B	BASE	1		
67-C70736-0A01A	BRACKET FOOT	2		
56-707370-OHA1B	SUPPORT FOOT COVER	2		
67-P70735-0E0	BASE BOARD	1		
63-B30080-BT4	S/T SCREW B 3 X 8 BT	8		*****
64-B40100-104	W/C SCREW B 4 X 10	8		*****
64-B30060-103	W/C SCREW B 3 X 6	4		*****
74-068048-50C	EPE POLYBAG	1		

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Item No.	Description	Quantity	Designator	Remarks
57-702250-0HD	HOST FOOT PAD	6		
08-L30265-FBY	FRONT CTL BD	1		
47-EAR002-XX0	EARPHONE SOCKET CK3-3 5-9WK-B	1	P803	
46-35135W-04X	PIN BASE PH-D4MF	1	P804	
41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	R1	
41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	R2	
48-PW0001-XX0	SWITCH POWER KDC-A11 B2	1	S801	
40-3026W5-FBB	FRONT CTL BD	1		
46-28559W-02X	PIN BASE *2 TJC1-2A	1	P801	
46-28559W-02X	PIN BASE *2 TJC1-2A	1	P802	
46-39389H-02X	HS 2P 1617/22 1300W TJC1-2Y/VH-3Y	1		FROM FBY BD P802 TO PWY P2
46-35039H-02X01	HS 1617/22 300W TJC1-2Y/S+15	1		FROM FBY BD P801 TO POWER SOCKET
26-EBP103-ZFX	CAP. CER 0.01UF 50V +/-20% F	1	C1	
26-EBP103-ZFX	CAP. CER 0.01UF 50V +/-20% F	1	C2	
26-EBP222-KBX	CAP. CER 2200PF 50V +/-10% B	1	C3	
26-EBP222-KBX	CAP. CER 2200PF 50V +/-10% B	1	C4	
46-35199W-02X	CONN PH-2A 2PIN PITCH=2.0MM	1	P805	
41-WJ0075-B00	WIRE BARE JUMPER 7.5MM	1	R3	
54-237930-0X0	HEAT SHRINKABLE TUBE 5.0 25	0.02		++ AC+ ++ AC+--
54-113970-0U0	PVC TUBE #5 L=ROLL	0.2		++ 46-35039H-02X01 AC+ -
08-L30265-IRY	RECEIVE BD	1		
02-IRR001-XX1	IR RECEIVER MODULE HRW380017	1	D51	
14-LED03A-XX0	LED MFT503M RED/GREEN (3MM)	1	D2	
46-35199W-04X	CONN PH-4A 4PIN PITCH=2.0MM	1	J2	
46-35199W-04X	CONN PH-4A 4PIN PITCH=2.0MM	1	J3	
40-3026W5-IRB	IR RECEIVE BD	1		
18-CB0332-JNX	RES. C.F. 3.3K OHM 1/6W +/-5%	1	R7	
41-WJ0060-B00	WIRE BARE JUMPER 6mm	1	J5	
18-CB0221-JNX	RES. C.F. 220 OHM 1/6W +/-5%	1	R11	
46-35199W-04X	CONN PH-4A 4PIN PITCH=2.0MM	1	J4	
18-CB0100-JNX	RES. C.F. 10 OHM 1/6W +/-5%	1		R12: + + + + + +
25-HCB100-M1X	CAP. ELEC 10 UF 16V +/-20%	1		C1: + + + + + +
54-900240-000	SPONGE PAD	1		FOR D51 TO PCB
11-C144ES-0BX	TRANSISTOR PTC144ES (NPN)	1	D2	
08-LD3026-PWY	ASS'Y - POWER BD	1		
09-55C15V-DTX	SMD DIODE BZV55-C15	1	ZD4	
09-55C15V-DTX	SMD DIODE BZV55-C15	1	ZD5	
09-LL4148-ATX	SMD SWITCHING DIODE LL4148	1	D4	
09-LL4148-ATX	SMD SWITCHING DIODE LL4148	1	D5	
09-LL4148-ATX	SMD SWITCHING DIODE LL4148	1	D7	
09-LL4148-ATX	SMD SWITCHING DIODE LL4148	1	D8	
09-LL4148-ATX	SMD SWITCHING DIODE LL4148	1	D13	
09-LL4148-ATX	SMD SWITCHING DIODE LL4148	1	D17	
09-RLZ18B-DTX	SMD DIODE RLZ18B	1	ZD1	
09-RLZ18B-DTX	SMD DIODE RLZ18B	1	ZD2	
09-RLZ18B-DTX	SMD DIODE RLZ18B	1	ZD3	

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Item No.	Description	Quantity	Designator	Remarks
09-RLZ18B-DTX	SMD DIODE RLZ18B	1	ZD6	
09-RLZ18B-DTX	SMD DIODE RLZ18B	1	ZD7	
10-12R060-F7X	DIODE STTH12R060	1	D1	
10-12R060-F7X	DIODE STTH12R060	1	D2	
10-20100C-F7X	DIODE MBR20100CT (TO-220)	1	D10	
10-20100C-F7X	DIODE MBR20100CT (TO-220)	1	D11	
10-20CT15-S7X	DIODE 20CTQ150 TO-220AB	1	D12	
10-20CT15-S7X	DIODE 20CTQ150 TO-220AB	1	D6	
10-BYV26C-FBX	DIODE BYV26C (FAST RECOVERY)	1	D14	
10-BYV26C-FBX	DIODE BYV26C (FAST RECOVERY)	1	D15	
10-BYV26E-FBX	DIODE BYV26E	1	D6	
10-RS2505-H7X	BRIDGE RS2505M	1	S801	
11-0S8050-CBX	TRANS. S8050C	1	VT8	
11-12NK80-OAX	TRANSISTOR STW12NK80Z	1	VT4	
11-12NK80-OAX	TRANSISTOR STW12NK80Z	1	VT12	
11-20NM50-OAX	TRANSISTOR STW20NM50	1	VT1	
11-D1NC60-OAX	TRANSISTOR STD1NC60	1	VT2	
11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	VT3	
12-BC847A-0BX	SMD TRANSISTOR BC847A (NPN)	1	VT5	
12-BC847A-0BX	SMD TRANSISTOR BC847A (NPN)	1	VT6	
12-BC847A-0BX	SMD TRANSISTOR BC847A (NPN)	1	VT10	
12-BC857A-0BX	SMD TRANSISTOR BC857A (PNP)	1	VT7	
12-BC857A-0BX	SMD TRANSISTOR BC857A (PNP)	1	VT9	
13-0DTL6-21P	PHOTO COUPLER TLP621(GN)	1	IC3	
13-L5991A-D0B	IC L5991AD	1	IC2	
13-L65610-00B	IC L65610	1	IC1	
13-LM431A-CZT	IC LM431ACZ (TO-92)	1	IC4	
18-CEO684-JNX	RES. C.F. 680K OHM 1/2W +/-5%	1	R2	
18-CEO684-JNX	RES. C.F. 680K OHM 1/2W +/-5%	1	R3	
18-FF0330-JAX	RES. C.C. 330MH 1W +/-5%	1	B56	
18-FF0339-JAX	RES. M.O. 3.3 OHM 1W +/-5%	1	B18	
18-RF0109-JAX	RES. C.C. 1W 10MH +/-5%	1	B19	
18-FF0339-JAX	RES. M.O. 3.3 OHM 1W +/-5%	1	B26	
18-FF0394-JGX	RES. M.O. 390K OHM 1W +/-5%	1	R1	
18-FG0103-JAX	RES. C.C. 2W 10K OHM +/-5%	1	R17	
18-FG0221-JAX	RES. C.C. 2W 220 OHM +/-5%	1	R40	
18-FG0221-JAX	RES. C.C. 2W 220 OHM +/-5%	1	R58	
18-FG0470-JAX	RES. C.C. 47 OHM 2W +/-5%	1	R41	
18-FG0470-JAX	RES. C.C. 47 OHM 2W +/-5%	1	R57	
18-FM0270-JAX	RES. M.O. 27 OHM 3W +/-5%	1	R10	
18-MJ0228-JDX	RES. C.C. 5K 0.220MH +/-5%	1	R13	
19-BB0100-JTX	RES. SMD 10 OHM 1/10W +/-5%	1	R51	
19-BB0100-JTX	RES. SMD 10 OHM 1/10W +/-5%	1	R53	
19-BB0102-JTX	RES. SMD 1K OHM 1/10W +/-5%	1	R28	
19-BB0103-JTX	RES. SMD 10K OHM 1/10W +/-5%	1	R4	
19-BB0103-JTX	RES. SMD 10K OHM 1/10W +/-5%	1	R39	

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Item No.	Description	Quantity	Designator	Remarks
19-BB0103-JTX	SMD RES 10k OHM 1/10W +/-5%	1	R43	
19-BB0333-JTX	SMD RES 33k OHM 1/10W +/-5%	1	R20	
19-BB0104-JTX	SMD RES 100k OHM 1/10W +/-5% 0805	1	R21	
19-BB0104-JTX	SMD RES 100k OHM 1/10W +/-5% 0805	1	R32	
19-BB0122-JTX	SMD RES 1 2k OHM 1/10W +/-5%	1	R49	
19-BB0154-JTX	SMD RES 150k OHM 1/10W +/-5%	1	R33	
19-BB0154-JTX	SMD RES 150k OHM 1/10W +/-5%	1	R34	
19-BB0202-FTX	SMD RES 1/10W 2KOHM +/-1%	1	R48	
19-BB0220-JTX	SMD RES 22 OHM 1/10W +/-5%	1	R9	
19-BB0222-JTX	SMD RES 2 2k OHM 1/10W +/-5%	1	R8	
19-BB0243-FTX	SMD RES 1/10W 24KOHM +/-1%	1	R35	
19-BB0243-FTX	SMD RES 1/10W 24KOHM +/-1%	1	R50	
19-BB0272-JTX	SMD RES 2 7k OHM 1/10W +/-5%	1	R42	
19-BB0273-FTX	SMD RES 1/10W 27KOHM +/-1%	1	R31	
19-BB0273-FTX	SMD RES 1/10W 27KOHM +/-1%	1	R44	
19-BB0304-FTX	SMD RES 1/10W 0.3MOHM +/-1%	1	R12	
19-BB0331-JTX	SMD RES 330 OHM 1/10W +/-5% 0805	1	R27	
19-BB0333-FTX	SMD RES 33k OHM 1/10W +/-1% 0805	1	R45	
19-BB0334-FTX	SMD RES 1/10W 0.33MOHM +/-1%	1	R11	
19-BB0334-FTX	SMD RES 1/10W 0.33MOHM +/-1%	1	R25	
19-BB0334-FTX	SMD RES 1/10W 0.33MOHM +/-1%	1	R59	
19-BB0472-FTX	SMD RES 4 7k OHM 1/10W +/-1%	1	R36	
19-BB0472-JTX	SMD RES 4.7k OHM 1/10W +/-5%	1	R46	
19-BB0101-JTX	SMD RES 100 OHM 1/10W +/-5%	1	R47	
19-BB0473-JTX	SMD RES 47k OHM 1/10W +/-5% 0805	1	R6	
19-BB0473-JTX	SMD RES 47k OHM 1/10W +/-5% 0805	1	R24	
19-BB0473-JTX	SMD RES 47k OHM 1/10W +/-5% 0805	1	R30	
19-BB0474-JTX	SMD RES 470k OHM 1/10W +/-5% 0805	1	R7	
19-BB0622-FTX	SMD RES 1/10W 6.2KOHM +/-1%	1	R5	
19-BB0622-FTX	SMD RES 1/10W 6.2KOHM +/-1%	1	R14	
19-BB0682-JTX	SMD RES 6 8k OHM 1/10W +/-5%	1	R22	
19-BB0682-JTX	SMD RES 6.8k OHM 1/10W +/-5%	1	R23	
19-BB0334-JTX	SMD RES 330k OHM 1/10W +/-5%	1	R16	
19-BB0334-JTX	SMD RES 330k OHM 1/10W +/-5%	1	R54	
19-BB0334-JTX	SMD RES 330k OHM 1/10W +/-5%	1	R55	
20-TR202H-5CX	TRIMMER B2H HORIZ TYPE	1	VR1	
22-NTC479-XX0	NTC 4.7 OHM +/-18% NTC4 702-14	1	TH1	
22-VDR471-XX0	VARISTOR RESISTANCE WYG-14K300	1	ZV201	
25-BFB220-M1X	CAP ELEC 22 UF 50V +/-20%	1	C11	
25-BFB220-M1X	CAP ELEC 22 UF 50V +/-20%	1	C14	
25-BFB470-M1X	CAP ELEC 47 UF 50V +/-20%	1	C15	
25-BFB479-M1X	CAP ELEC 4 7 UF 50V +/-20%	1	C20	
25-GCA222-M1P	CAP ELEC 16V 2200uF +/-20%	1	C29	
25-GCA222-M1P	CAP ELEC 16V 2200uF +/-20%	1	C30	
25-GEA102-M1P	CAP ELEC 1000uF 35V +/-20%	1	C24	
25-GEA102-M1P	CAP ELEC 1000uF 35V +/-20%	1	C25	

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Item No.	Description	Quantity	Designator	Remarks
25-GEA471-M1P	CAP ELEC 470uF 35V +/-20%	1	C21	
25-GEA471-M1P	CAP ELEC 470uF 35V +/-20%	1	C31	
26-AKK221-KRX	CAP CER 220 PF 1KV +/-10% R	1	C8	
26-AKK471-KRX	CAP CER 470 PF 2KV +/-10% R	1	C1	
26-AKK471-KRX	CAP CER 470 PF 2KV +/-10% R	1	C2	
26-AKK471-KRX	CAP CER 470 PF 2KV +/-10% R	1	C23	
26-AKK471-KRX	CAP CER 470 PF 2KV +/-10% R	1	C28	
26-AKK471-KRX	CAP CER 470 PF 2KV +/-10% R	1	C36	
26-AKK471-KRX	CAP CER 470 PF 2KV +/-10% R	1	C38	
26-AKK472-KRX	CAP CER 4700 PF 1KV +/-10%	1	C10	
26-APK102-MEX	CAP CER 1000PF 400VAC +/-20%	1	C75	
27-AQT474-MVX	CAP N PP 0.47 UF 250V +/-20%	1	CX1	
27-AQT474-MVX	CAP N PP 0.47 UF 250V +/-20%	1	CX2	
27-MUR105-J0X	CAP N PP 1.0UF 630V +/-5%	1	C3	
27-PBC222-J0X	CAP P E 0.0022UF 63V +/-5%	1	C18	
28-BB0102-JC1	SMD CAP 50V 1000PF +/-5%	1	C33	
28-BB0103-ZFX	SMD CAP 10nF 50V +/-20%	1	C4	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +/-20% 0805	1	C12	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +/-20% 0805	1	C16	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +/-20% 0805	1	C17	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +/-20% 0805	1	C32	
28-BB0104-ZFX	SMD CAP 0.1 UF 50V +/-20% 0805	1	C33	
28-BB0153-KB1	SMD CAP 50V 15nF +/-10%	1	C21	
28-BB0221-JC1	SMD CAP 50V 220PF +/-5%	1	C6	
28-BB0221-JC1	SMD CAP 50V 220PF +/-5%	1	C22	
28-BB0333-KB1	SMD CAP 50V 33nF +/-10%	1	C19	
28-BB0561-JC1	SMD CAP 50V 560 pF +/-5%	1	C5	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C7	
28-BD0105-ZFX	SMD CAP 1UF 25V +/-20%	1	C34	
35-FB1690-30X	MAGNETIC CORE	4	VT10/VT40/VT120/02	
36-LIF052-XX0	LINE FILTER	1	LF1	
36-LIF052-XX0	LINE FILTER	1	LF2	
36-LIF053-XX0	PFC INDUCTOR LP03220-400uH	1	L3	
36-TRF131-XX0	TRANSFORMER CONV BCK3201	1	T2	
36-TRF132-XX0	TRANSFORMER CONV BCK3202	1	T1	
36-WID229-XX0	COIL WIDTH 2.2uH	1	L5	
36-WID229-XX0	COIL WIDTH 2.2uH	1	L6	
36-WID229-XX1	COIL CHOKER 6.2uH	1	L1	
41-WJ0080-B00	WIRE BARE JUMPER 8 MM	1	J1	
46-35063W-03X	PIN BASE *3 VH-3A	1	P2	
50-06300D-2GS2	FUSE 6.3A 250V	1	F1	
54-220CV0-0X0	COVER CAP TO-220CV	1	FOR D1	
54-220CV0-0X0	COVER CAP TO-220CV	1	FOR D2	
54-220CV0-0X0	COVER CAP TO-220CV	1	FOR D9	
54-220CV0-0X0	COVER CAP TO-220CV	1	FOR D10	
54-220CV0-0X0	COVER CAP TO-220CV	1	FOR D11	

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Item No.	Description	Quantity	Designator	Remarks
54-220CVO-0X0	COVER CAP TO-220CV	1	FOR D12	
54-3PCVA0-0X0	COVER CAP TO-3PCV-A	1	FOR VT1	
54-3PCVA0-0X0	COVER CAP TO-3PCV-A	1	FOR VT4	
54-3PCVA0-0X0	COVER CAP TO-3PCV-A	1	FOR VT12	
58-707400-0U1	PC PAD	1		
64-B30080-104	M/C SCREW B 3 X 8	1	FOR 67-H70927-0AO	
64-B30080-104	M/C SCREW B 3 X 8	2	FOR 67-H70928-0AO	
64-F30080-104	M/C SCREW F 3X8	1	FOR B01	
64-F30120-104	M/C SCREW F 3 X 12	1	FOR D1 & D2	
64-F30120-104	M/C SCREW F 3 X 12	1	FOR D10 & D11	
64-F30120-104	M/C SCREW F 3 X 12	1	FOR D9 & D12	
64-F30120-104	M/C SCREW F 3 X 12	1	FOR VT4 & VT12	
66-20516X-0B0	FUSE HOLDER	2	FOR F1	
67-H70927-0AO	HEAT SINK	1	FOR BD1 AND VT4 & VT12	
67-H70928-0AO	HEAT SINK	1	FOR VT1	
67-M39214-0E0	HEAT SINK	1	FOR BD1	
67-M39214-0E0	HEAT SINK	1	FOR VT1	
67-M70933-0E0	STATOR	1	FOR D1 & D2	
67-M70933-0E0	STATOR	1	FOR D10 & D11	
67-M70933-0E0	STATOR	1	FOR D9 & D12	
67-M70933-0E0	STATOR	1	FOR VT4 & VT12	
26-APK471-KB4	CAP. CER 470 pF 400VAC +/-10%	1	CY2	
26-APK471-KB4	CAP. CER 470 pF 400VAC +/-10%	1	CY4	
35-FB0300-60X	MAGNETIC CORE	4	TRANS T1/T2	
41-DC0600-ABP	WIRE UL1015 #18 600MM	1		
35-FB1300-31X	MAGNETIC CORE	1	FOR 46-39389H-D2X	
35-FB1000-31X	MAGNETIC CORE	1	FOR 41-DC0600-ABP	
25-GNU101-M1P	CAP. ELEC 1000UF 450V +/-20%	1	C9	
25-GNU101-M1P	CAP. ELEC 1000UF 450V +/-20%	1	C26	
64-F30060-104	M/C SCREW F 3 X 6	1	FOR VT1	
18-MJU0568-JDX	RES. CEM 0.56 OHM 5W +/-5%	1	R29	
18-MJU0568-JDX	RES. CEM 0.56 OHM 5W +/-5%	1	R37	
54-392350-0U0	DUSTPROOF SPONGE BAR	2	
64-B30080-104	M/C SCREW B 3 X 8	1	FOR D12	
64-B30060-104	M/C SCREW B 3 X 6	4	FOR PCB	
10-85C12V-DBX	ZENER DIODE 12V 1.3W	1	ZD8	
40-LDTV30-PWD	P.C B. POWER PCB BD	1		
10-BYV26C-FBX	DIODE BYV26C (FAST RECOVERY)	1	D3	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R52	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R60	
19-BB0202-JTX	SMD. RES 2k OHM 1/10W +/-5% 0805	1	R61	
19-BB0331-JTX	SMD. RES 330 OHM 1/10W +/-5% 0805	1	R62	
19-BB0331-JTX	SMD. RES 330 OHM 1/10W +/-5% 0805	1	R63	
19-BB0331-JTX	SMD. RES 330 OHM 1/10W +/-5% 0805	1	R65	
19-BB0202-JTX	SMD. RES 2k OHM 1/10W +/-5% 0805	1	R64	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +/-20% 0805	1	C41	

SCHNEIDER ELECTRONICS GMBH-GERMANY

Item No.	Description	Quantity	Designator	Remarks
46-35200W-04X	CONN. VH-4A 4PIN PITCH=3.9MM	1	P1	
12-BC847A-0BX	SMD. TRANSISTOR BC847A (NPN)	1	VT13	
28-B80474-ZFX	SMD. CAP 0.47UF 50V +/-5% 0805	1	C35	
11-TC3202-YBX	TRANSISTOR KTC3202	1	VT14	
46-39472H-32X	INVERTER POWER CORD	1	FOR P1	
47-PWS014-XX0	POWER SOCKET	1	... AC- ...	
46-39481H-01X	HS 1P 1015P18/1015P18 350+150MM	1	FOR AC-	
18-FH0273-JAX	RES. N.O. 27K OHM 3W +/-5%	2	R15+	
54-392460-0U0	W/CA SHEET	1	FOR B01	
54-38271X-0U0	PYROCONDENSATION BUSHING Bsm	0.05	FOR D1/D2+ ...	
54-38271X-0U0	PYROCONDENSATION BUSHING Bsm	0.05	FOR D1/D2+ ...	
11-TC8550-CBX	TRANSISTOR KTC8550-C	1	VT11	

4. Alignment Procedure

SUMMARIZATION:

The panel in this model is LG PHILIPS 30' LC300W01 A3P6, whose max-luminance is at 450 cd/m². Analog parts adopt VCT3834A with Teletext function, inner multi-system Comb-filter, MCU and TCU for Teletext, extra 4M Flash EEPROM and 4M SRAM Teletext EEPROM. IF Amplifier adopts TDA9886T Multi-system PLL IC, MSP3411G for Nicam, and FS European Frequency which supports PAL DK BG I, SECAM BG/DK, SECAM L system. Digital parts adopts SAGE Project, Scaller chip which supports VGA/DVI input in main chassis part. TV input channel adopts AD9883A+FLi2200 to support A/D switches and Deinterlace Progressive processing. Scaller output adopts LVDS switch IC SN75LVDS83, which will switch LVDS to PANEL CNI Socket. INVERTER comprises by two groups +24V power suppliers and signal switching controller.

ALIGNMENT INSTRUCTION:

1. Adjustment of Analog Chassis Parts

In 30 inch LCD TV, Analog Chassis Parts are comprised of three main boards:

- A. Main-signal Processing Board, which is including Video, Audio, Code, and Teletext process of sub-signal, Board named: 40-3026WS-MA* (* =A. B. C. D.)
- B. IF Amplifier Board, named: 40-LS3026-TU* (* =A. B. C. D.)
- C. Power Amplifier Board, named: 40-3026WS-AM* (* =A. B. C. D.)

I> Checking of IF Amplifier Board

Procedures* :

- 1* Connecting IF Amplifier Board (without shield cover) to P002 in Switching Board via VGA* .
- 2* Switching on the Display, +3V red light will be on in RC receiving board. Press "Standby" in RC, the red light will be off. Applying Factory Signal to see whether the sound, Nicam, and searching channel are OK* .
- 3* Pressing **i** key in RC to enter into User Menu, pressing pin **6** **4** **0** **5** keys to Factory Menu, and select AGC Menu. Setting switching mode to NORMAL, AGC to 14, pressing "EXIT" to exit* .
- 4* Switching off the Display. Taking out IF Amplifier, and soldering shield cover* .

II> Checking of Analog Main Board

Procedures* :

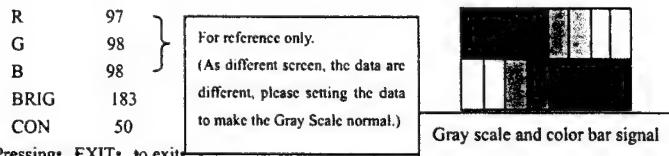
- 1* Inserting P1, P2, P14 in Digital Board to P1001, P1002 and P5540 in Analog Board* .
- 2* Connecting Computer to S5504 via COM connector, turning off the reset switch in the connector* .
- 3* A. Setting PC mode in Digital Board;
B. Switching on the unit with RC;
C. After Screen is on, running FLASH PROGRAM for 2 seconds in Computer Communication Program;
D. Turning on the reset switch in the connector, then carrying out the program to burn* .
- 4* After burned, please take out the S5504 connector* .
- 5* Switching off → Reset → power on with RC, pressing "0" key and "OK" key to enter TV mode, the Noise Signal will be displayed, press **i** in RC to enter into User Menu, and setting OSD to ENGLISH or other languages* .
- 6* Making an elementary setting in PICTURE menu:
Brightness --- 50, Contrast --- 70, Color --- 40, Tint --- 10
- 7* Pressing "OK" to save and "exit" .
- 8* Pressing "i" and "CH-" to select and "CH+" to enter into PROGRAM menu, pressing "CH-" to select "SEARCH >", and pressing "VOL +" to searching channels. Press EXIT to exit when finished* .
- 9* Checking all channels to see whether the sound and picture are OK or not. Signal should be switched after applying SCART signal. Input and output function should be checked in SCART 1 & SCART 2. There is not output function in SCART 3. (* **0** key in RC to open menu, "V" key to OK)

2. Adjustment of Digital Board

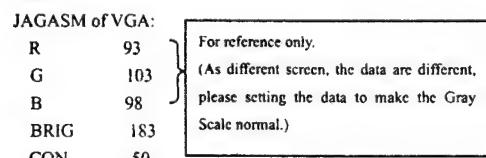
Procedures* :

- 1* A. Inserting P1 (8pins) in Digital Board to P1001 in Analog Main Board;
B. Connecting P14 in Digital Board to P5540 in Analog Main Board via 10Pins Line;
C. Connecting P24 in Digital Board to P1004 in Analog Main Board via line;
D. Inserting INVERTER switch Plug to P7 (Pin 3-5);
E. Connecting P2 in Digital Board to P1002 in Analog Main Board via line;
- 2) Inserting DC Plug in Extra Power Supplier to P18 in Digital Board, turning on the main power switch to electrify CPU (3.3V) in Digital Board;

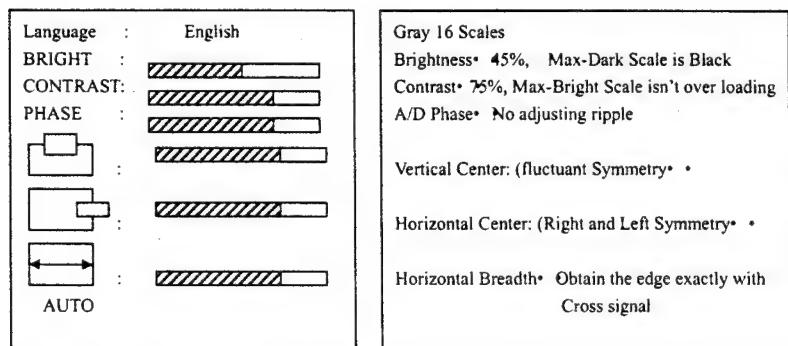
- 3) A. Switching on the Unit using RC;
B. Electrifying Analog Board with 12V, +5V to IC JACASM in Digital Board simultaneously;
C. After several seconds, sound and picture will be OK. (TV mode is in normal mode without SCART Signal)
- 4) Applying TV signal (Gray Scale and Color Bar Signal), pressing "0", "6", "4", "0", "5" in RC, the AD9883 menu will be displayed, please setting the data as following:



- 5) ① Applying VGA signal, press **0** in RC to choose PC mode and pressing "OK" to confirm. Switching to VGA mode and selecting VGA to Gray 16 Scales.
- ② Pressing "0", "6", "4", "0", "5" in RC to enter into Factory Mode, setting the data as below:



- ③ Pressing **→** in RC to enter into the User menu to setting the following items when applying VGA signal:



Pressing "OK" to save and **EXIT** to exit
* Note: Best Resolution: 1024X768 60Hz mode.

6) DVI checking

Procedures:

- ① Inserting DVI plug into P10 in Digital Board
- ② Pressing **0** in RC to enter into signal menu, pressing "CH+/CH-" to choose "DVI" and "OK" to enter into DVI mode
- ③ Applying the kinds of testing signal, whether they all can be identified and the output are normal in DVI signal sources
- ④ Entering into main signal menu and setting into the "TV" mode
- ⑤ Taking out DVI plug and shutting off AC power supply.

3. Adjustment of Complete LCD TV

Procedures:

I> Adjustment of AGC

- ① Power on the Unit and applying the TV signal sources.

TV signal sources setting as below

f=48.25MHz

System: PAL B/G

Signal: Full color bar

Intension: 65dB

- ② Pressing **→** in RC to enter into User Menu, pressing pin **6** **4** **0** **5** keys to Factory Menu, pressing key to select item, "V+ & V-" to adjust the data.

Setting AGC data to 14 to obtain the Noise of Screen Signal is at minimum.

DVSS: ON

- ③ Setting BURN IN at On

(Analog Board is on when no signal, Normal User mode is OFF)

LCD TV TCL Ver. 1.22B/13/10/2003 (Update irregularly)

Auto Format	4:3
Tuner AGC	14
Transparent OSD	66
DVSS	ON
Burn-in Mode	ON
Min.volume.1%	10
Sound curve.10%	64
Sound curve.20%	86
Sound curve.40%	105
Sound curve.80%	121
Sound curve.100%	127

- ④ Pressing **EXIT** to exit.

II> Adjustment of White Balance in VGA mode

- 1 • Applying VGA signal, 1024 X 768 60Hz, switching signal source to PC mode, 9300K.
- 2 • Choosing White Signal, using Color Temperature Instrument or White Balance Instrument to test the color coordinate.
- 3 • Pressing "0", "6", "4", "0", "5" key in RC to enter into Factory Mode, pressing "CH+", "CH-" to select item, "V+", "V-" to adjust R• G• B data to obtain $x=284\pm 5$ • $Y=299\pm 5$ •
- 4 • 7000K $X=305\pm 15$ • $Y=320\pm 15$ (no use now)
- 5 • 7500K $X=299\pm 15$ • $Y=315\pm 15$ (no use now)

III> AUTO Adjustment of User Setting in VGA mode

- 1 • Applying Square Signal, pressing • key in RC to enter into User Menu.
- 2 • Pressing "CH+", "CH-" to select "AUTO" item, and "V+" to active the auto adjustment then screen will be dark instantly. If finished, screen will be ok automatically.
- 3 • If auto adjustment lost or some disturb/noise in screen, please adjust PHASE by manual.

Applying signal modes• •

640 X 480 (60, 72, 75, 85Hz)

720 X 400 (60, 70Hz)

800 X 600 (60, 75, 85Hz)

1024 X 768 (60, 75, 85Hz)

1280 X 1024 (60, 75, 85Hz)

To do the checking and auto adjustment separately when applying the kinds of signals, if no problem exists, it is unnecessary to adjust the data in EEPROM.

IV> Adjustment of White Balance in TV mode.

- 1 • Applying SCART White Signal, using White Balance Instrument to test.
- 2 • Pressing "0", "6", "4", "0", "5" key in RC to enter into Factory Mode, pressing "CH+", "CH-" to select item, "V+", "V-" to adjust R• G• B data to obtain $X=0.284$, $Y=0.299$, color temperature: 9300, Luminance> 400cd.
- 3 • Pressing• EXIT• to exit.

► Checking Complete LCD TV

- 1 • Applying TV signal to check whether AGC can work normal. 40~100dB TV signal).
If AGC is abnormal, please do fine tuning.
(If overloading, please lower AGC Value)
- 2 • Applying SCART signal to check whether the input and output of SCART can work normal in R• G• B• Y/C• SCART, 16:9/4:3 mode.
- 3 • Applying VGA signals to checking:
640 X 480 (60, 72, 75, 85Hz)
720 X 400 (60, 70Hz)

800 X 600 (60, 75, 85Hz)

1024 X 768 (60, 75, 85Hz)

1280 X 1024 (60, 75, 85Hz)

•4 • Checking PIP in TV Signal (VGA mode)

- a. Pressing • • to choose PC mode and• to enter into VGA mode, applying VGA signal.
- b. Pressing key in RC to active PIP function, pressing this key continuously to scale up the PIP picture and disappeared circularly , there are four scales.
- c. Pressing key to locate the PIP picture from Top-left, Top-right, Bottom-right, Bottom-left and center circularly.
- d. Pressing key in RC to close the PIP when the picture is in largest scale.
- d. Press Green Key in RC can switch the PIP signal source.

•5 • Checking PIP in DVI mode

- Pressing • • to choose PC mode and• to enter into DVI mode.
- Repeat to check PIP scale and location.

•6 • Safety Checking

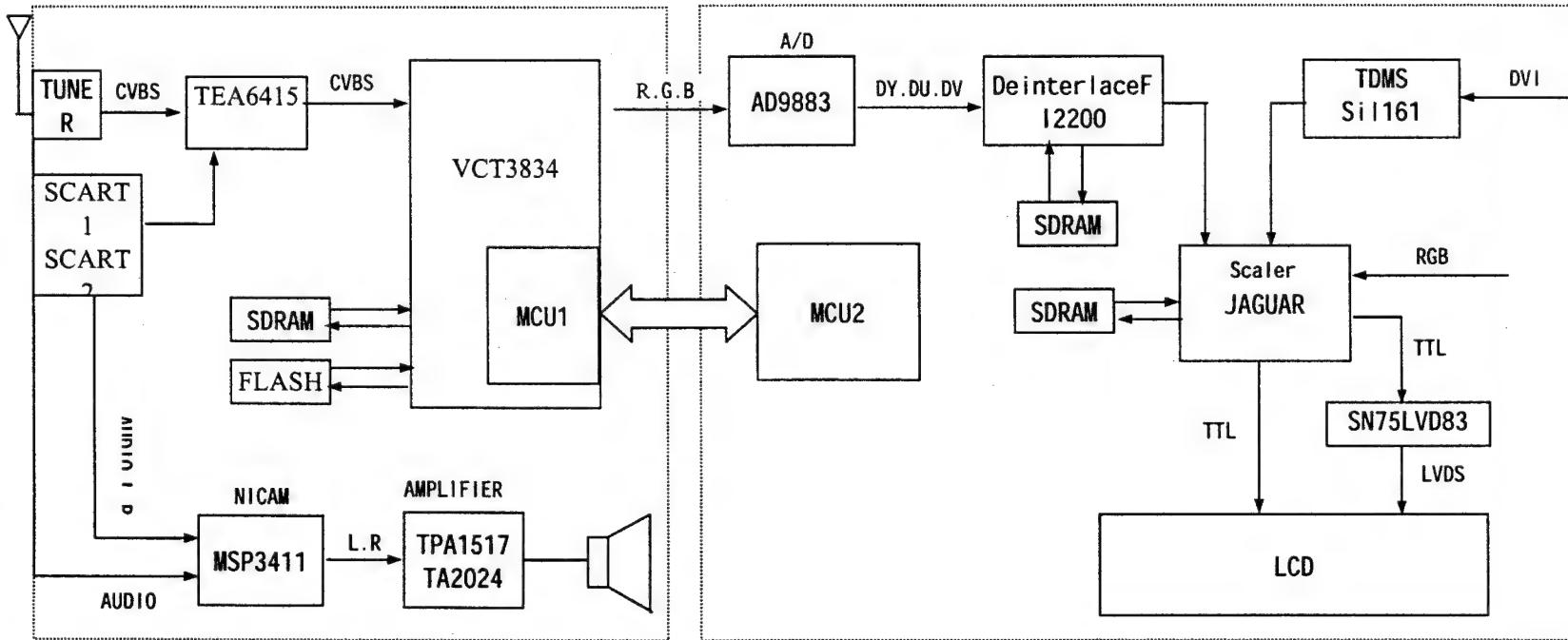
- a. AC 3000V; b. Resistance> 4MΩ

•7 • Default data setting:

Applying factory signal, setting the data to default when in best picture, best sound and so on.

Picture Default Value setting: (Only for reference)			Sound Default Value setting: (Only for reference)		
	TV/SCART	RGB	VGA	Volume	35
Brightness	50%	55%	40%	Treble	50
Contrast	80%	40%	75%	Base	50
Color	50%	Position: 30%		Balance	Center
Contour	20%			Base	Normal
Tone	Center			AVC	off

5. BLOCK DIAGRAM

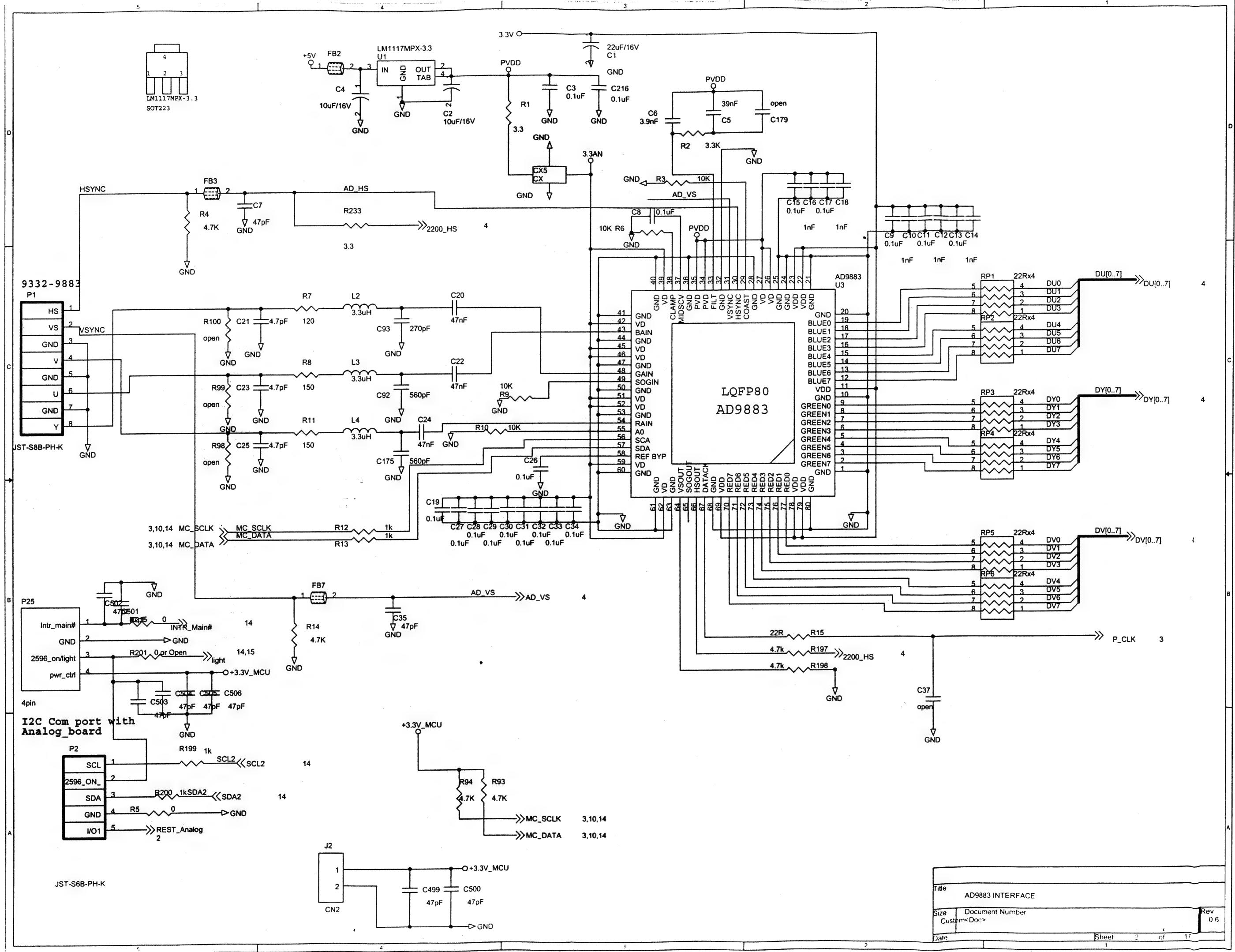


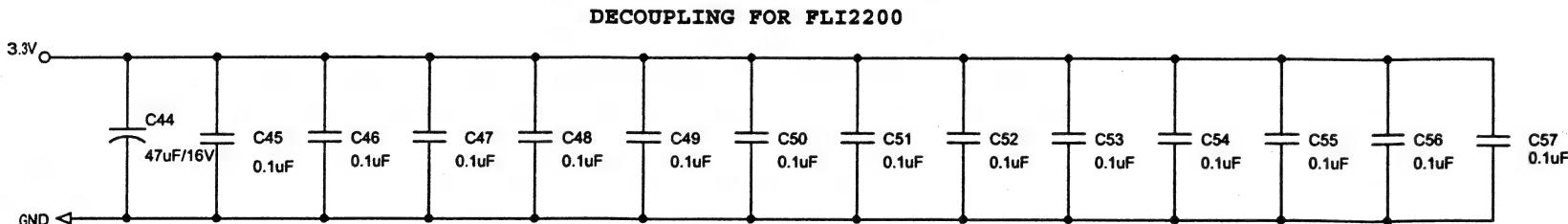
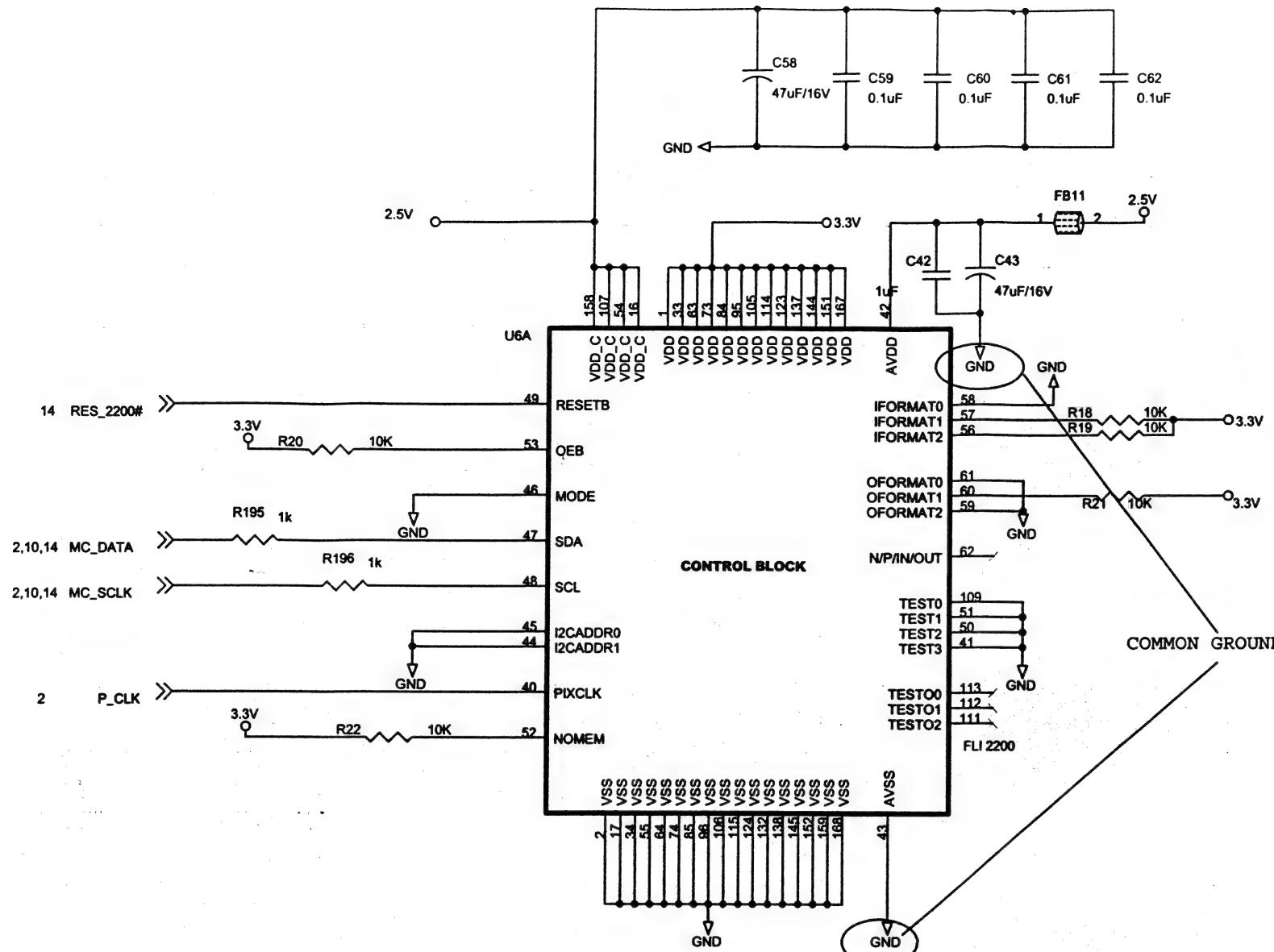
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VER2.0 2003.7.3

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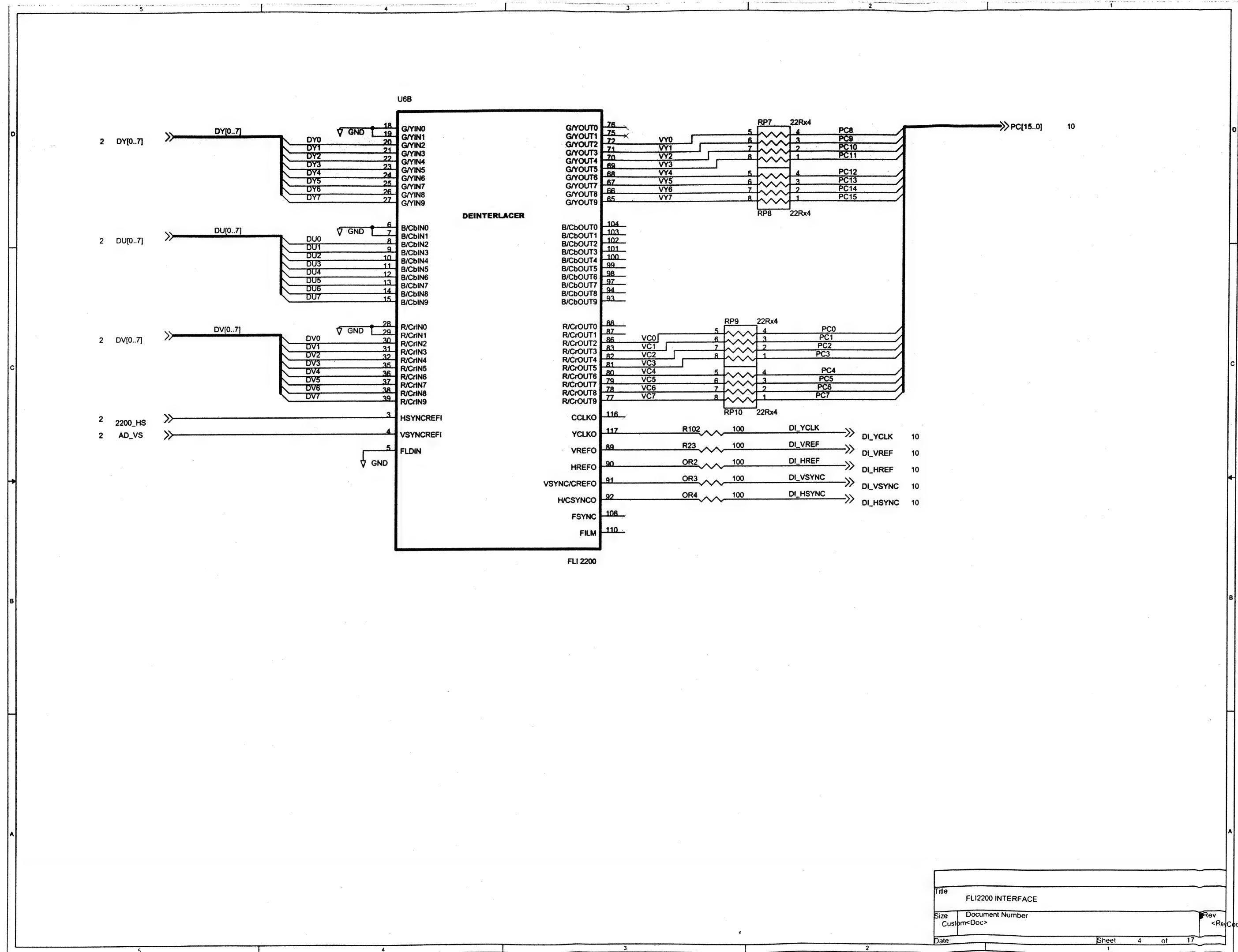
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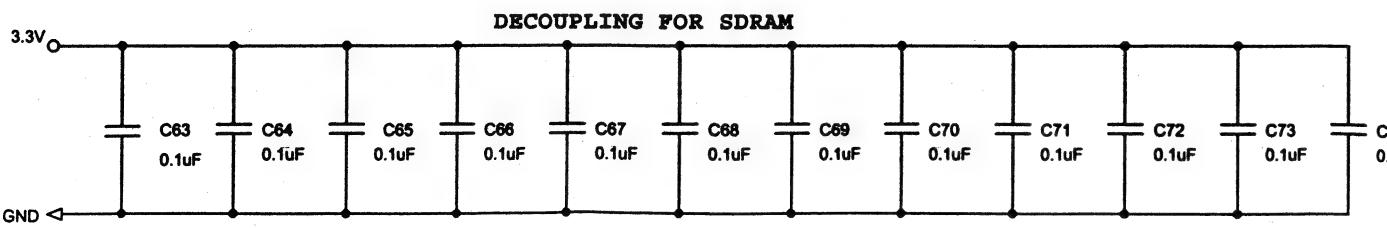
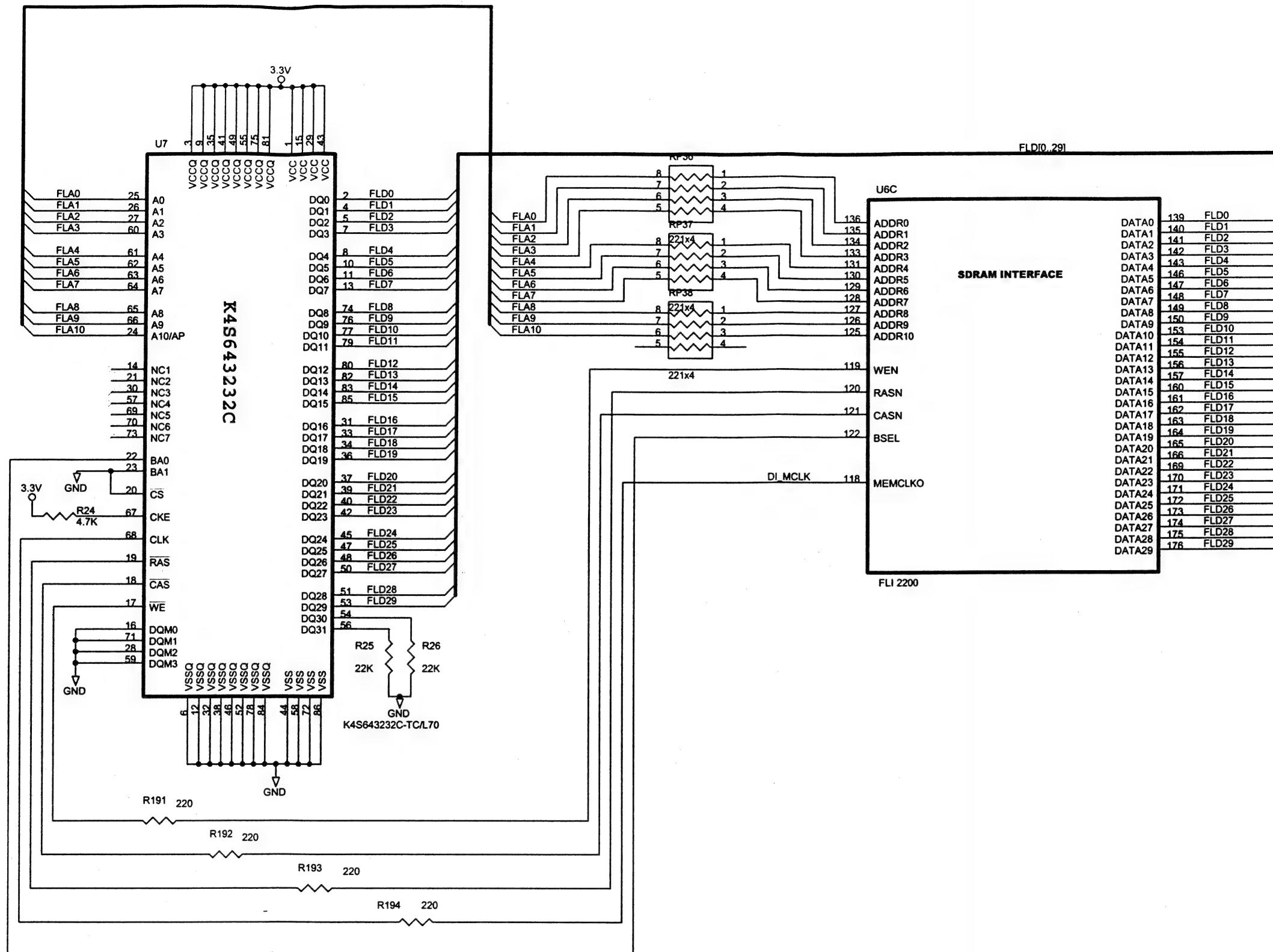




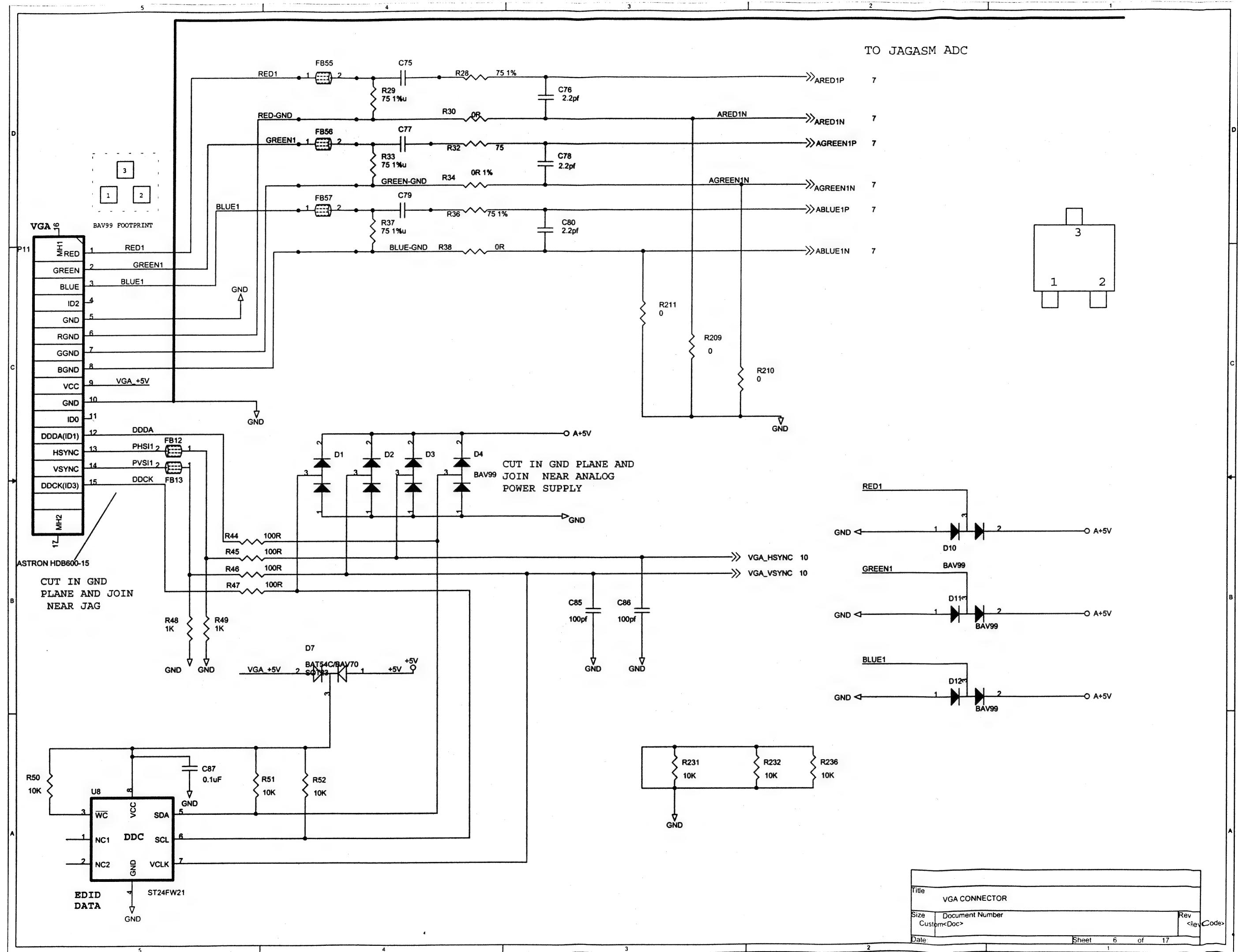
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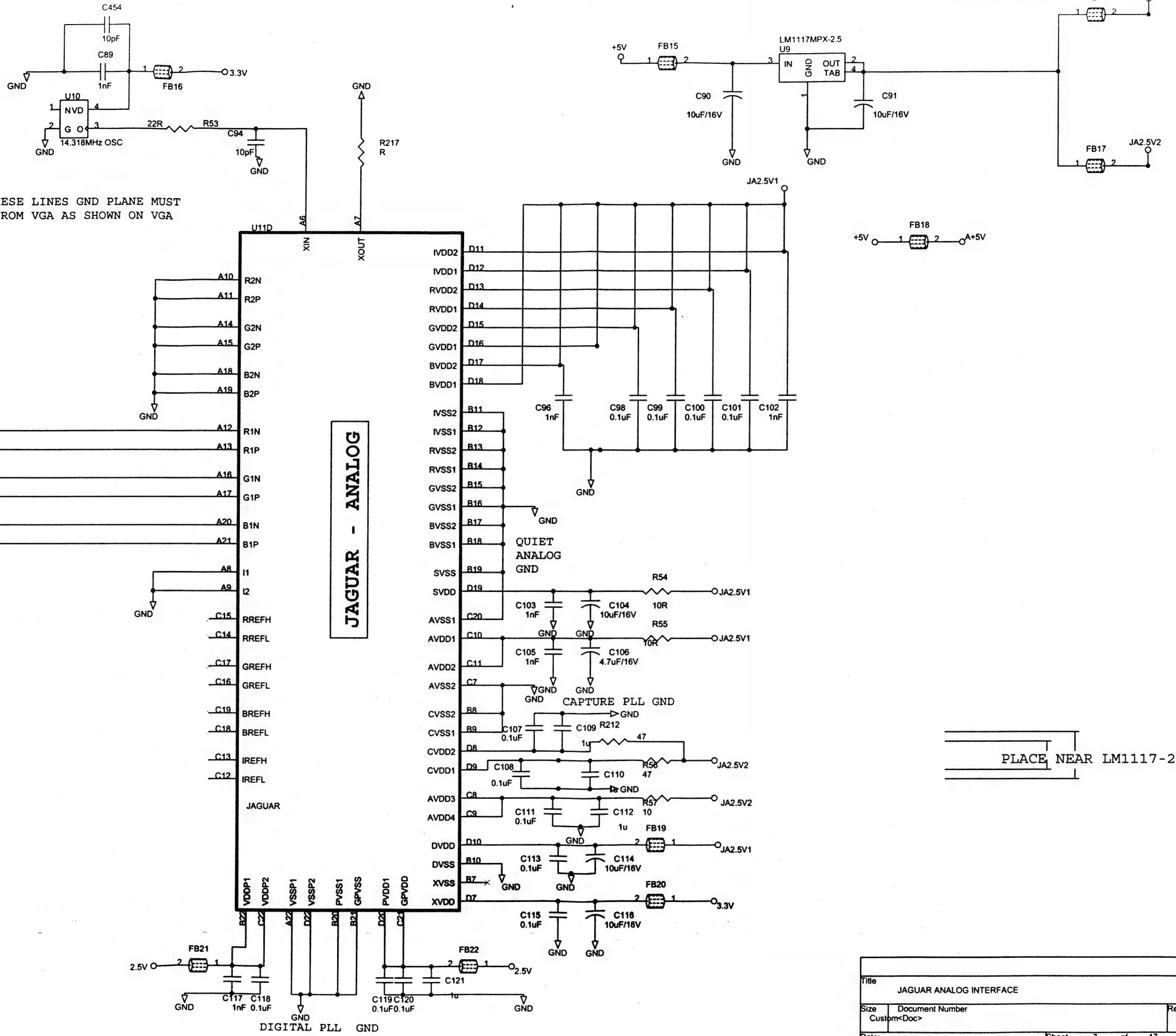
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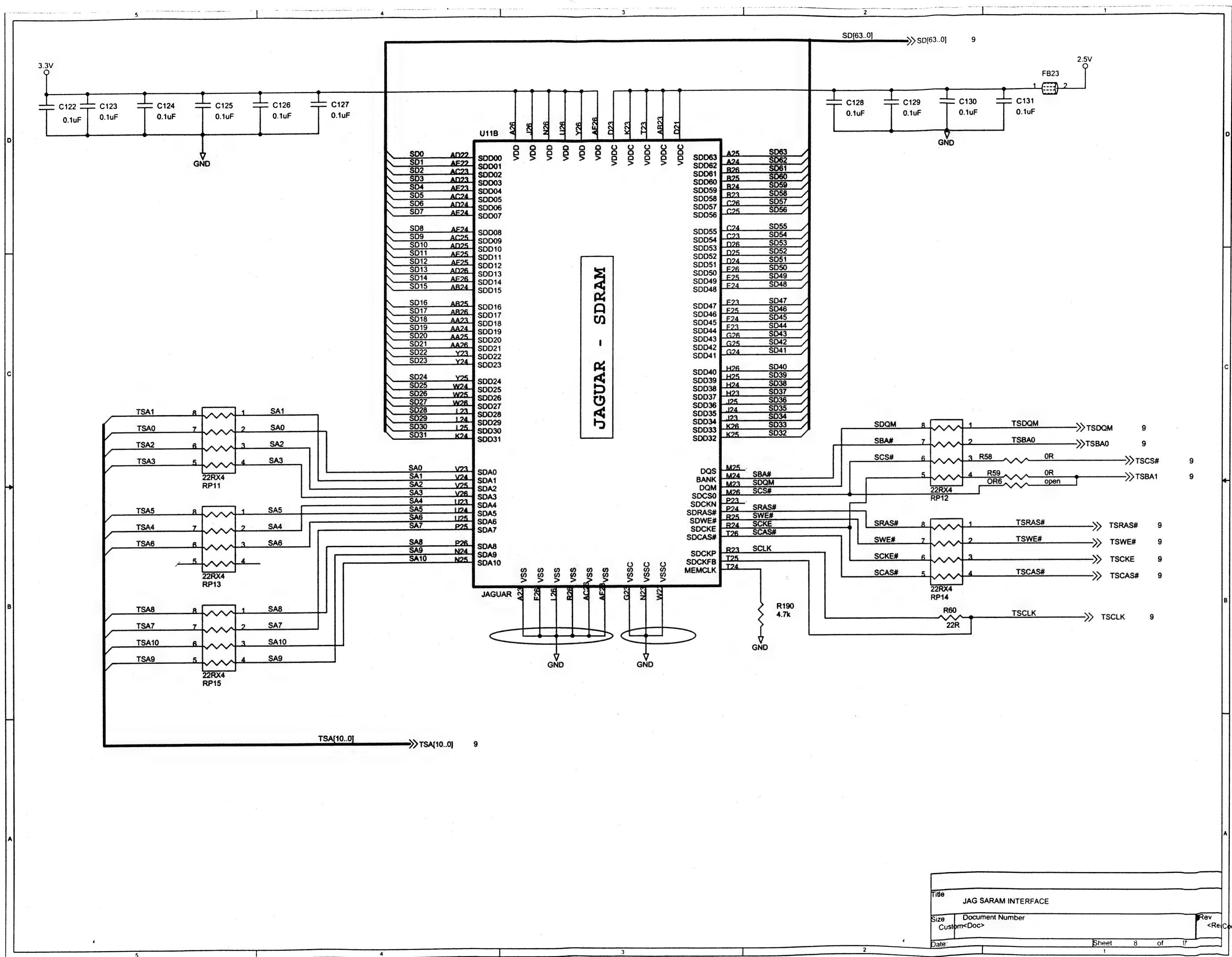


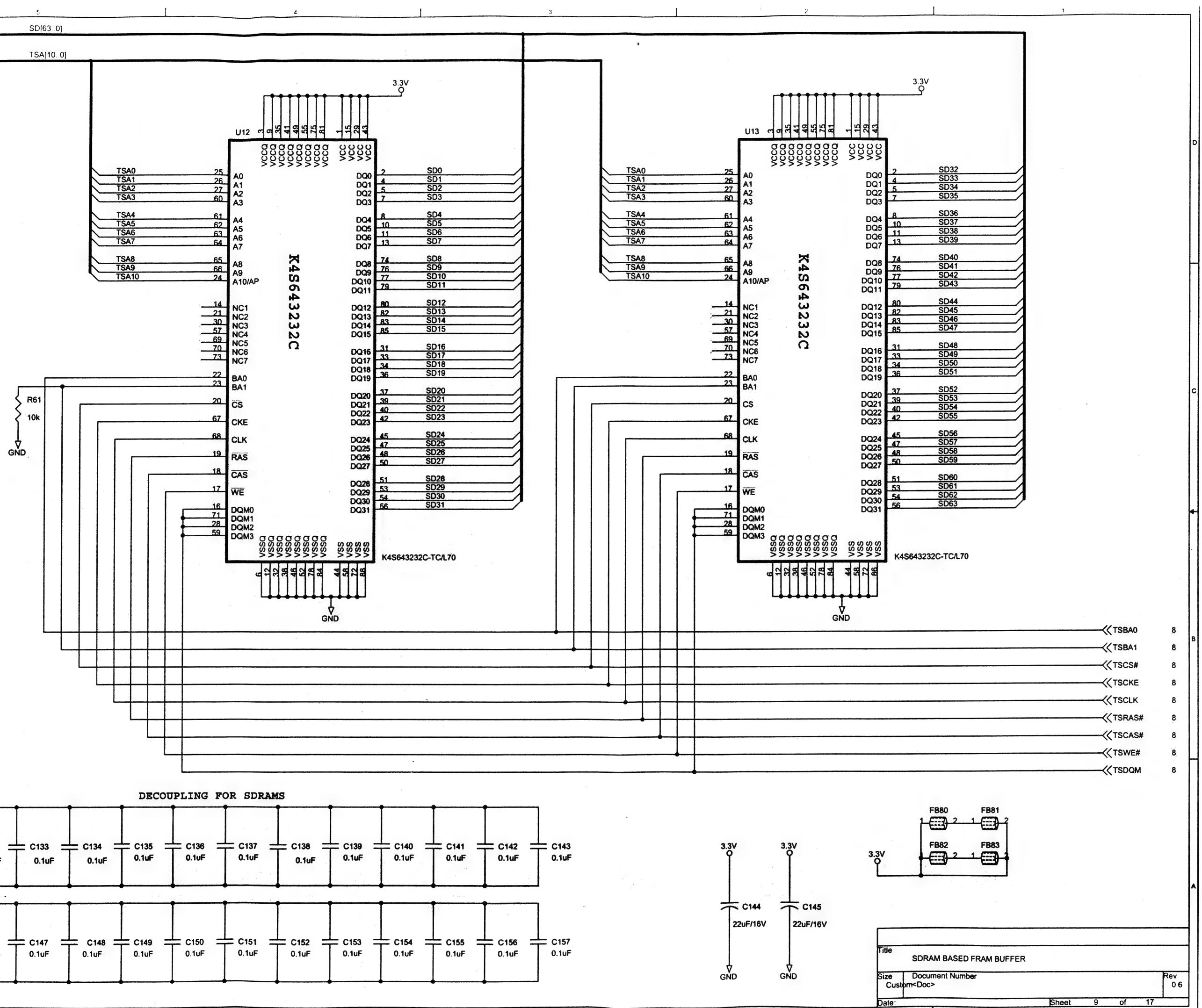
UNDER THESE LINES GND PLANE MUST
BE CUT FROM VGA AS SHOWN ON VGA
SHEET.

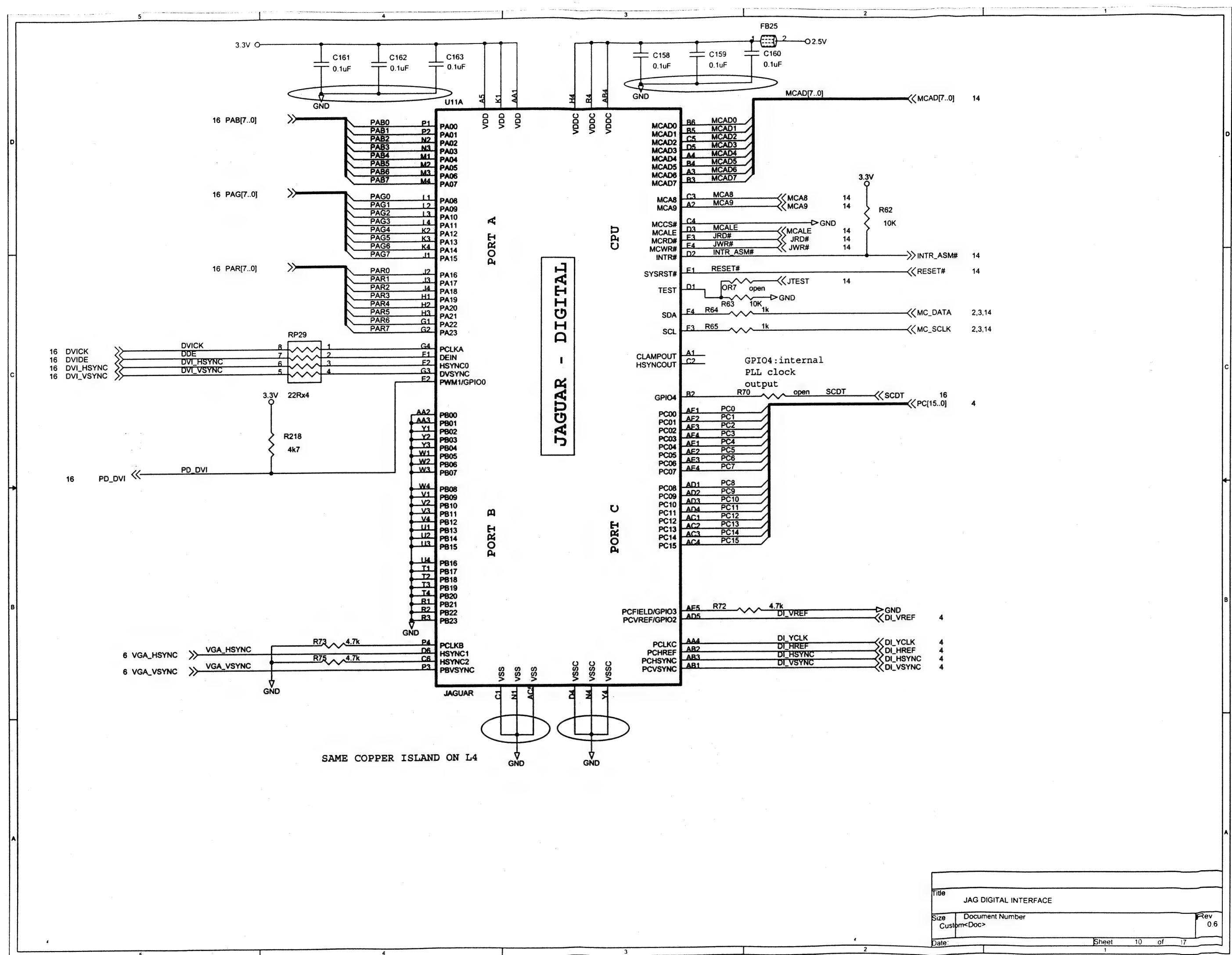
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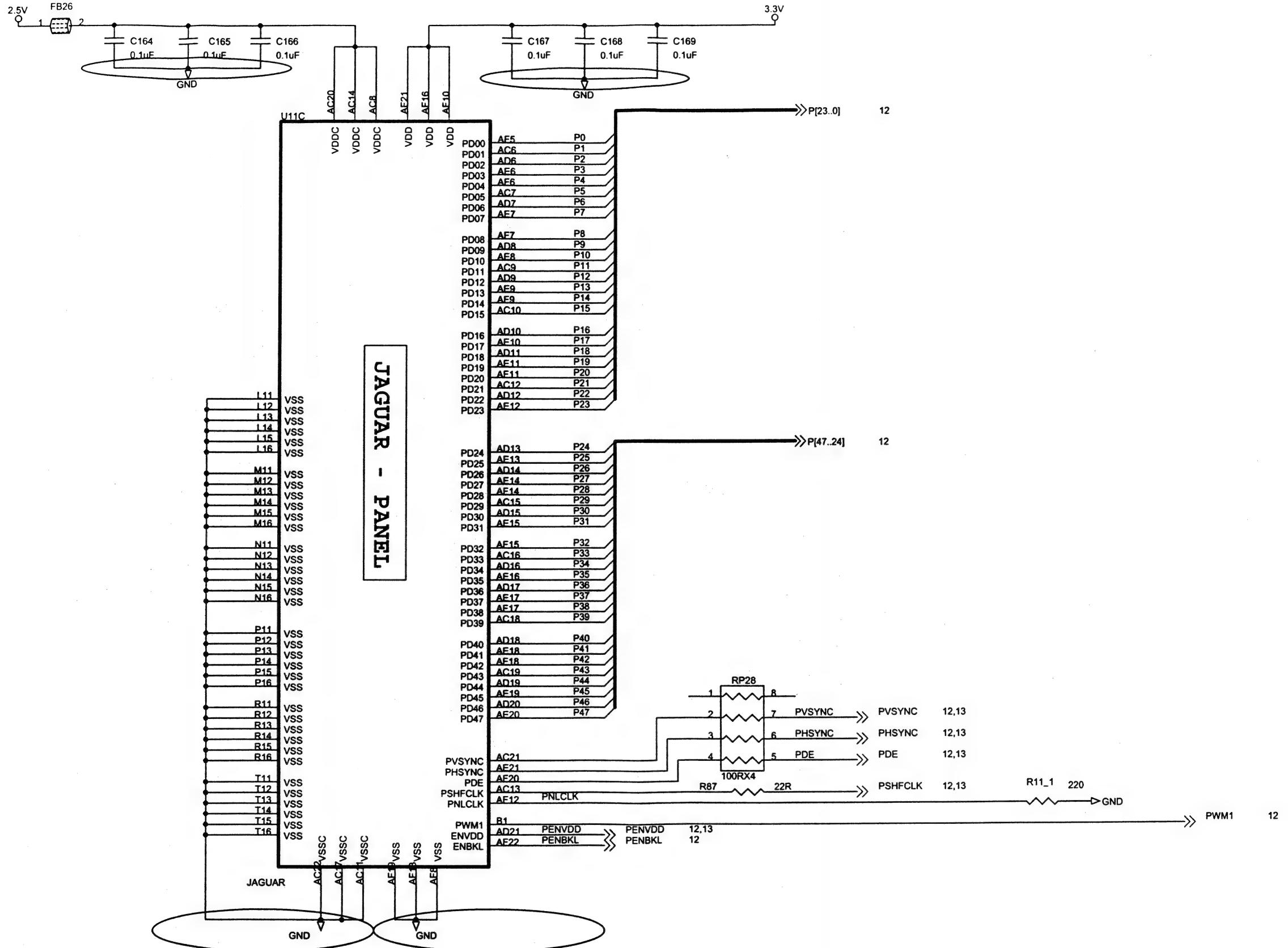
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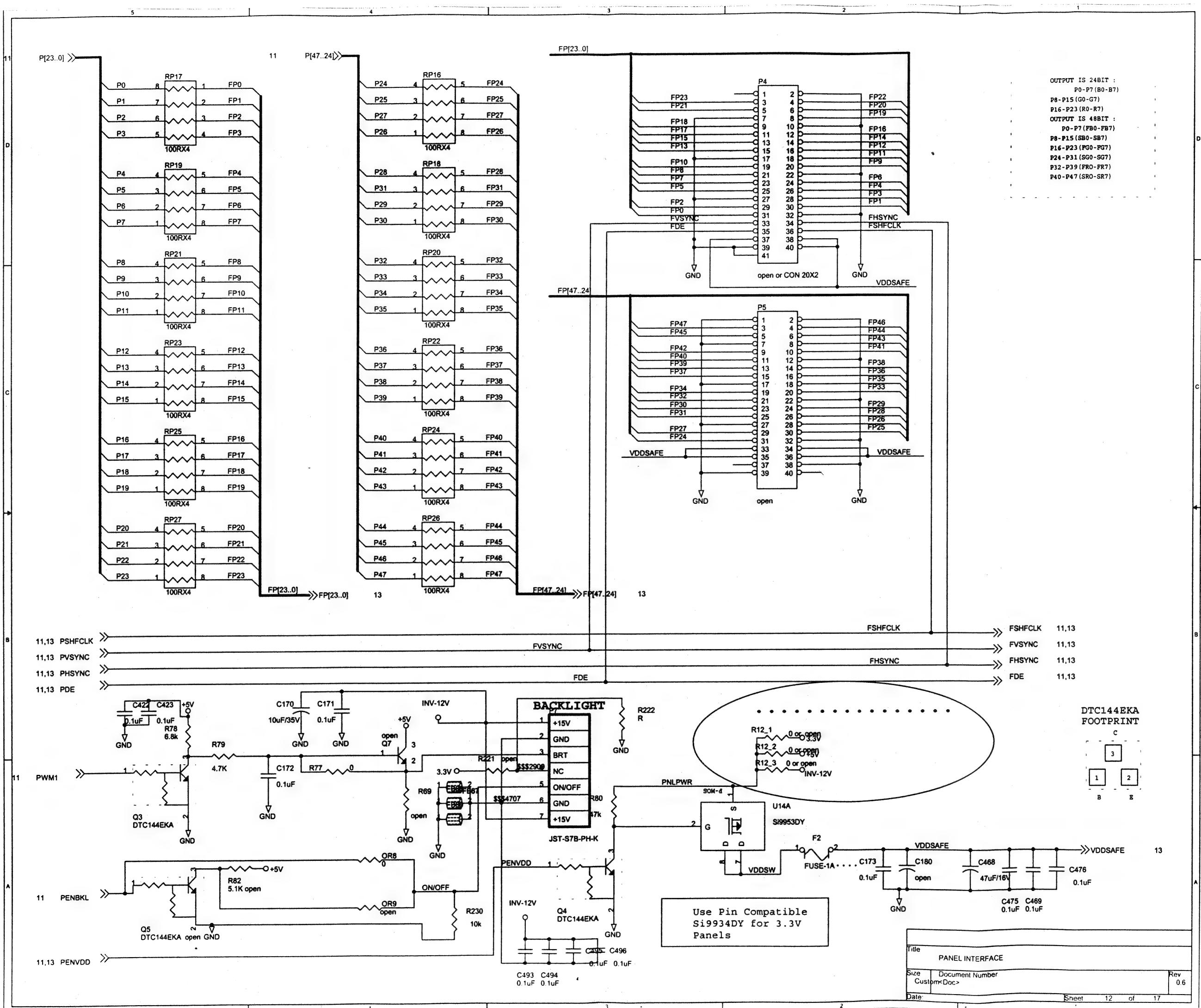


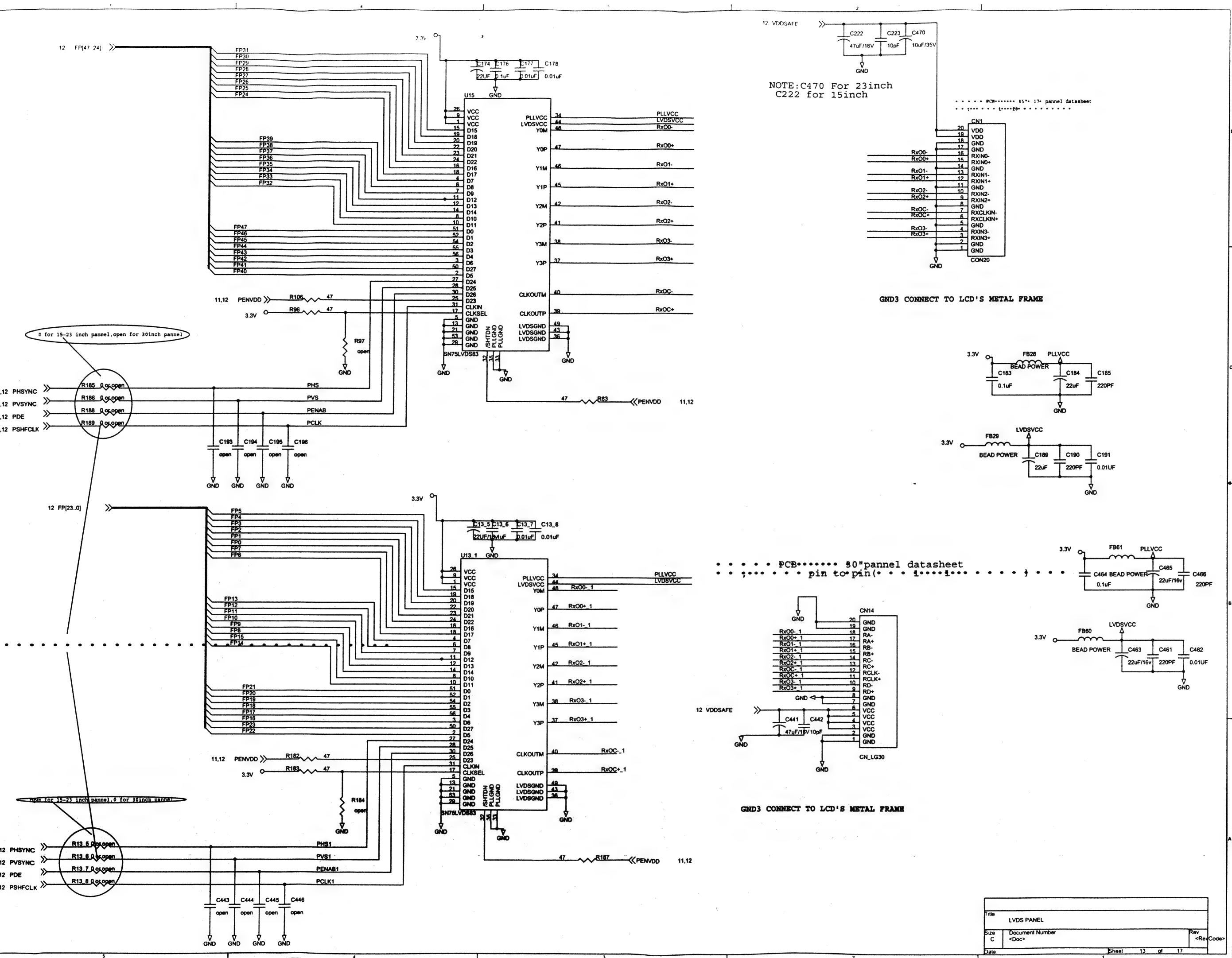


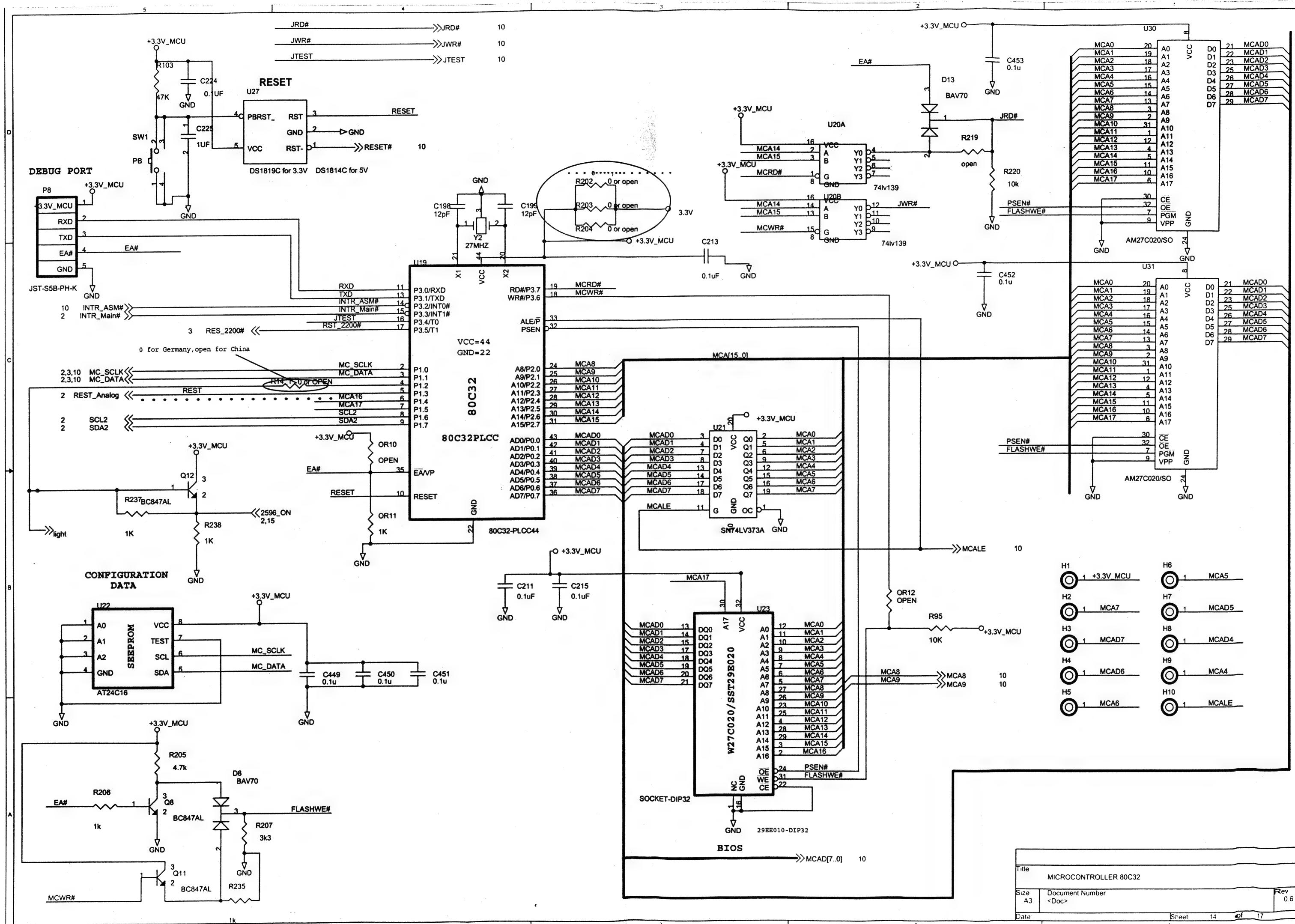


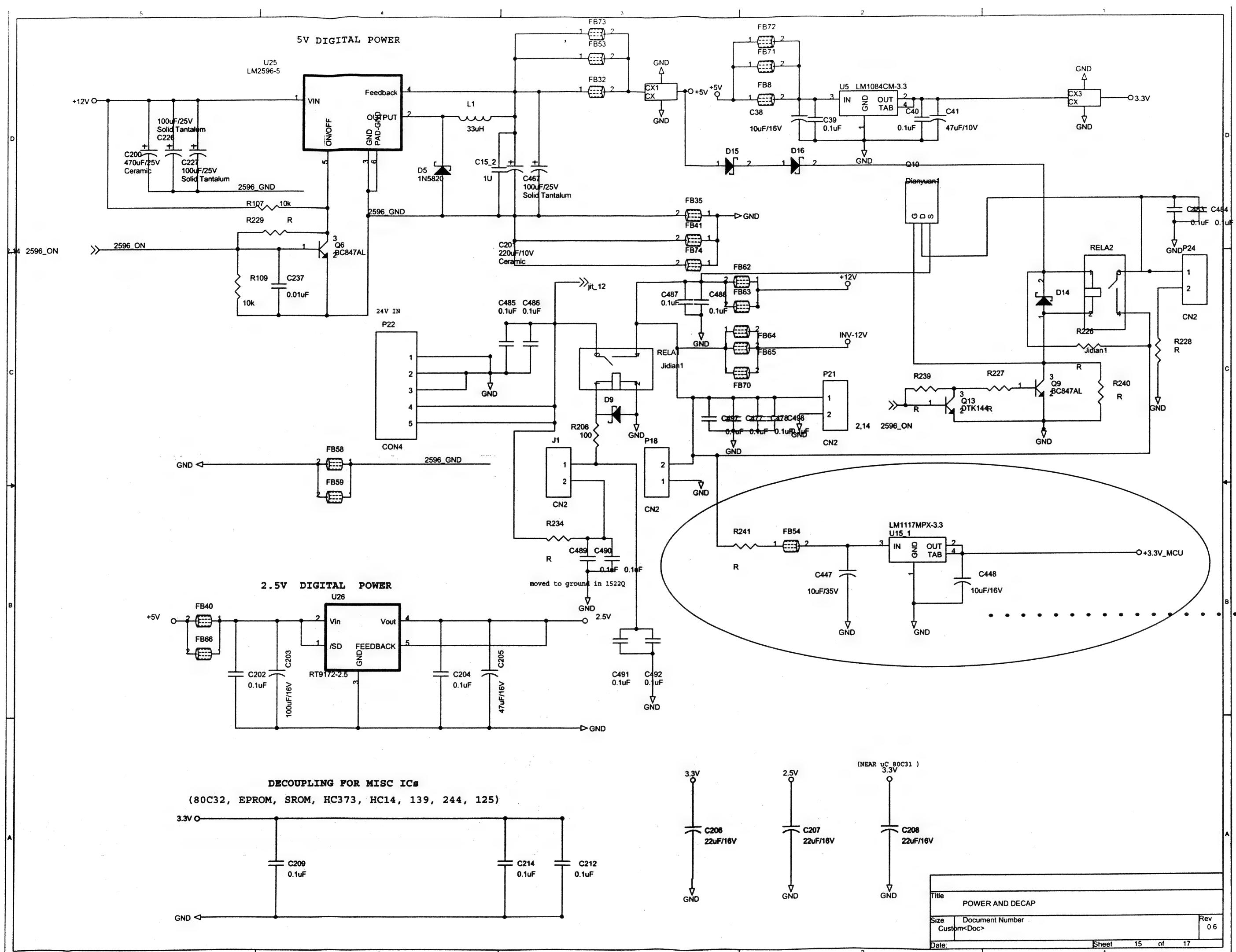


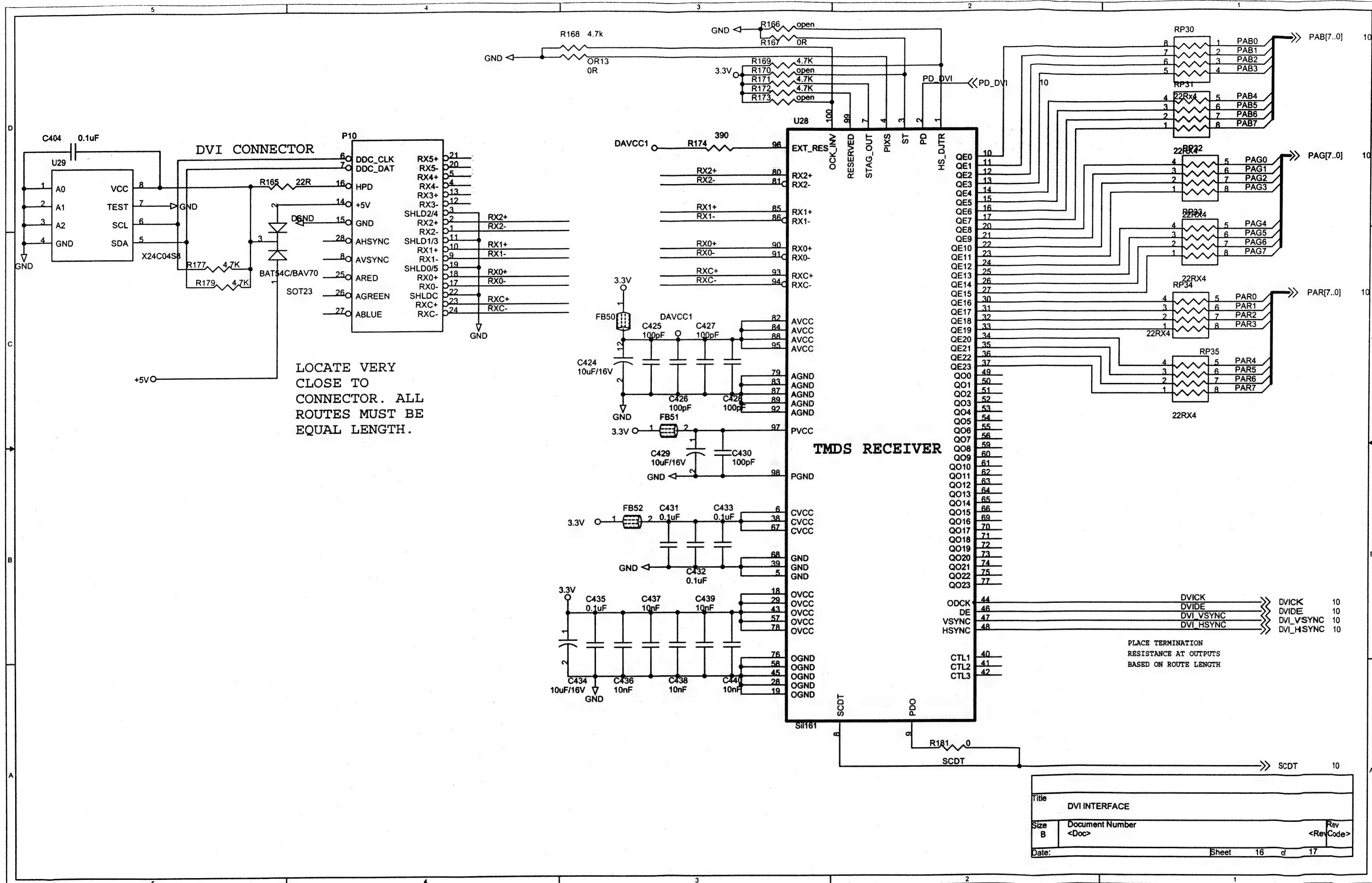
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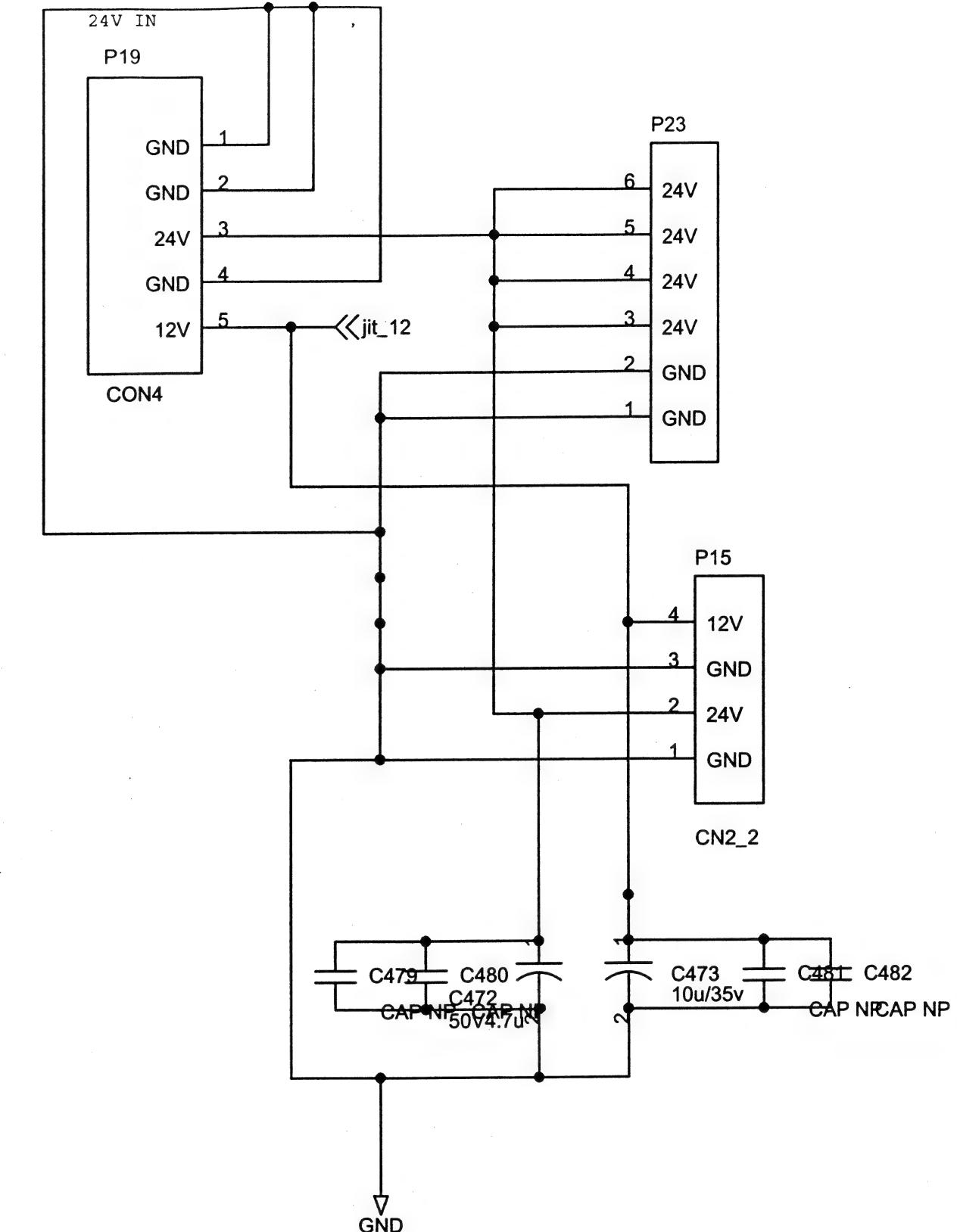
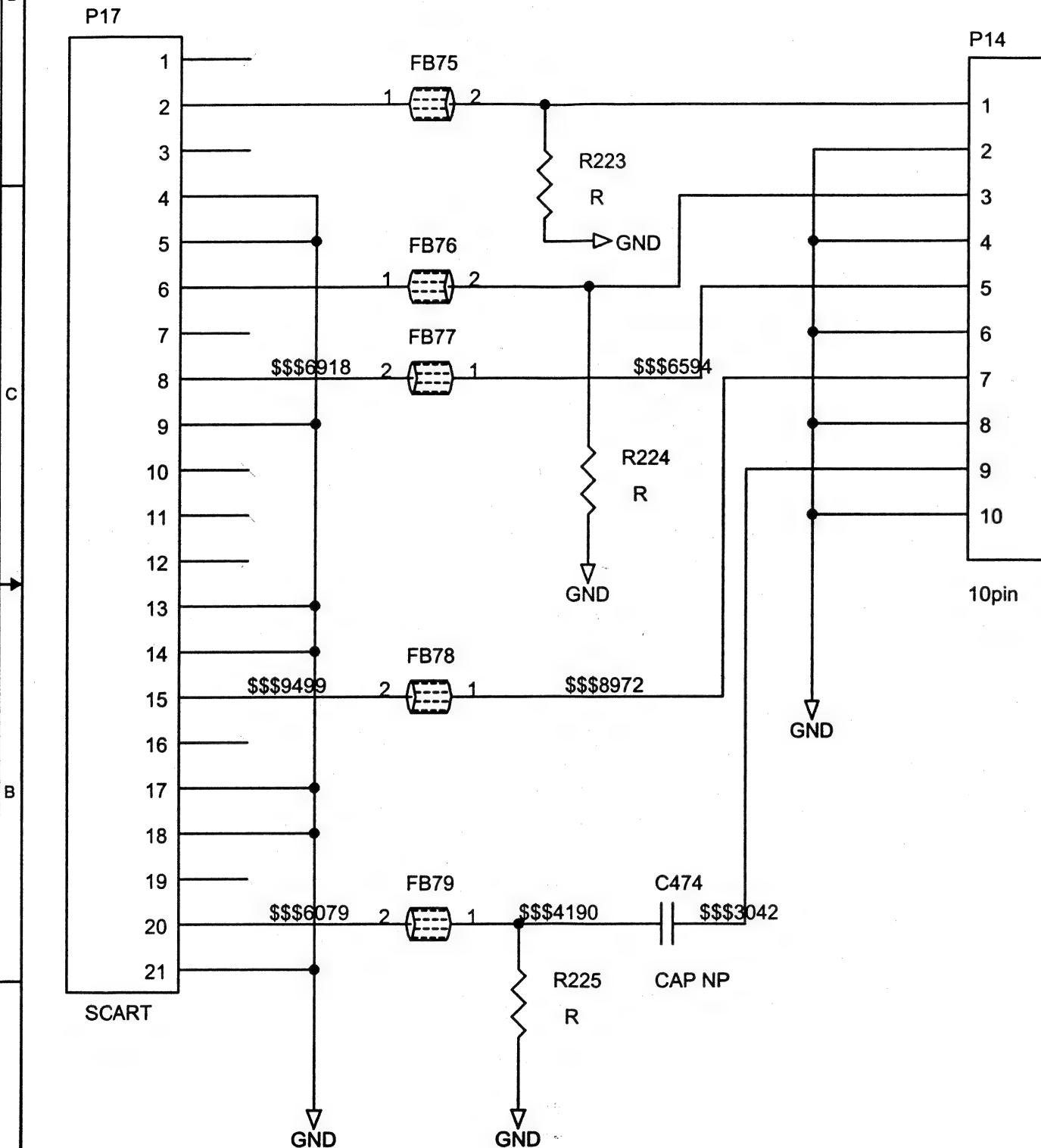




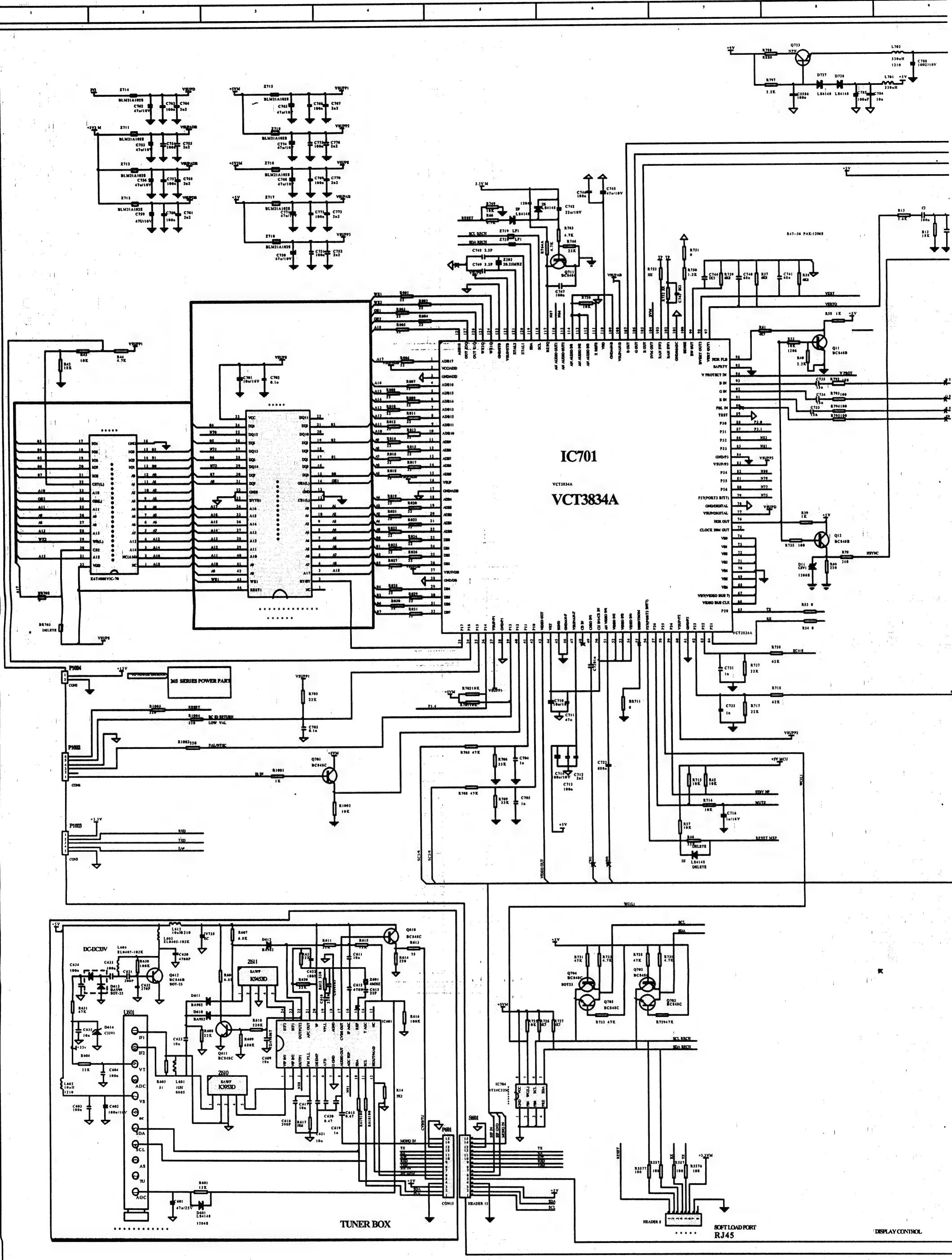


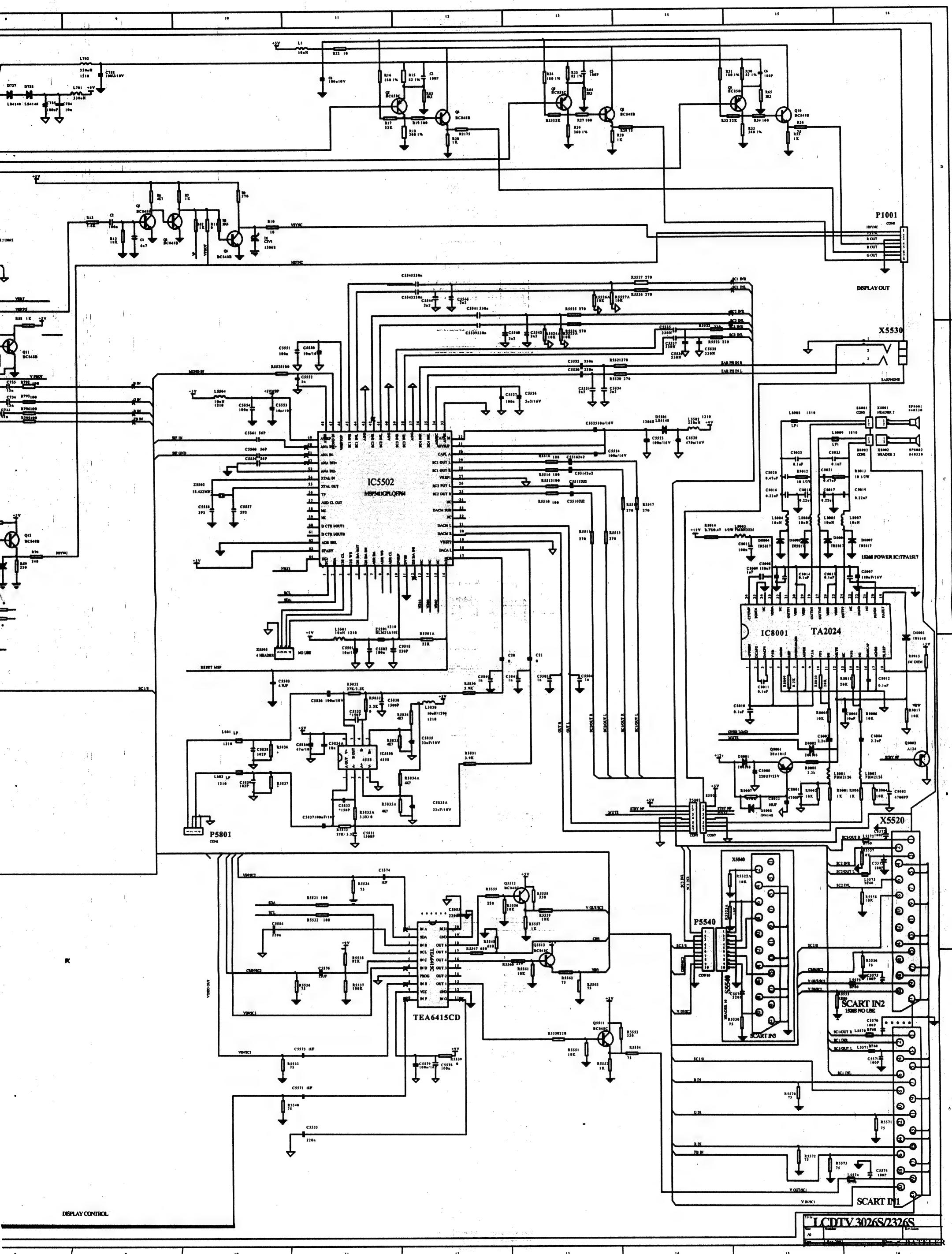


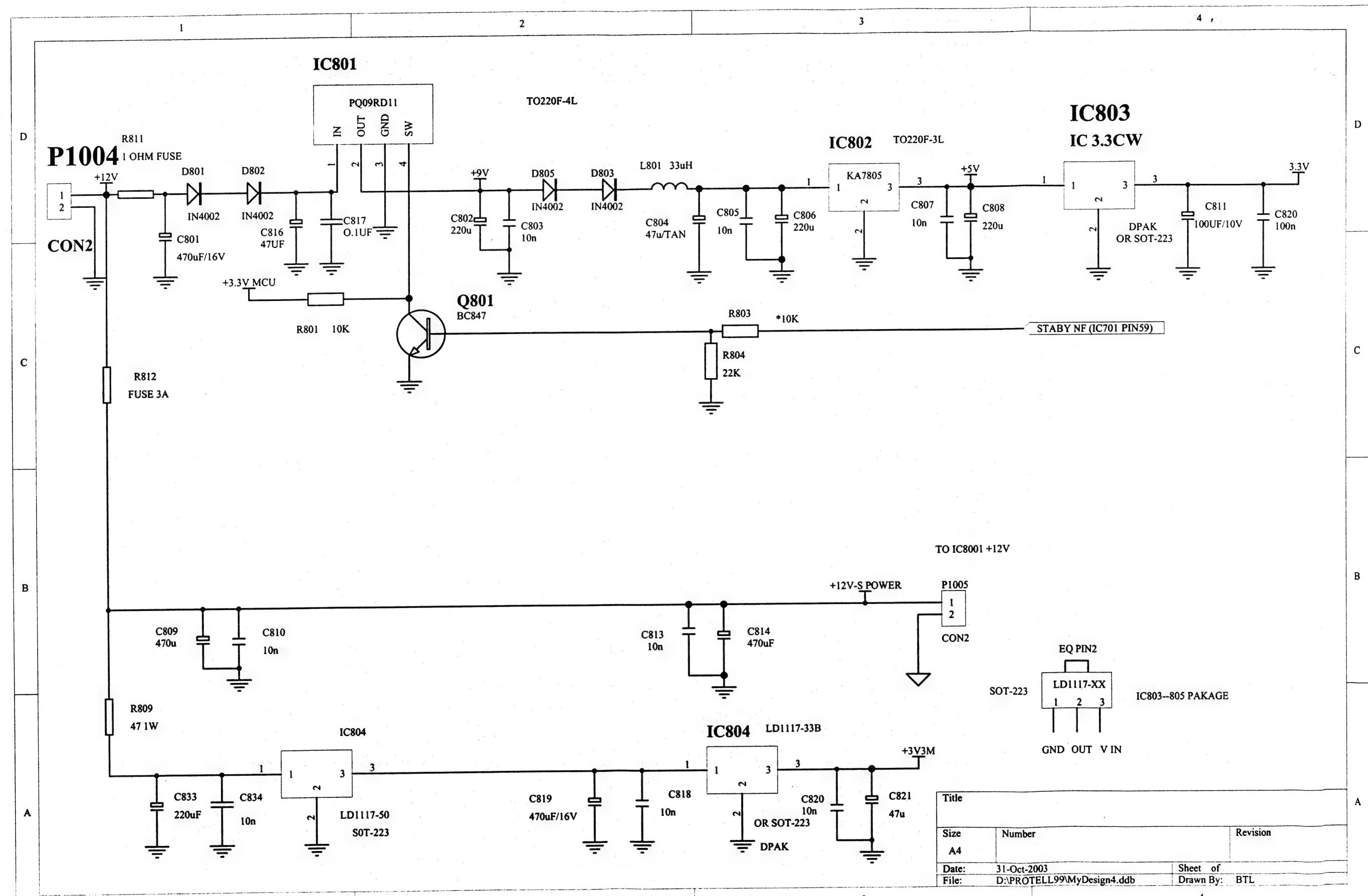




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